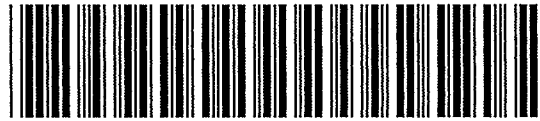


31IHSSF1045



DocumentID NONCD0002873

Site Name NELLO TEER QUARRY-DENFIELD

DocumentType Remedial Action Plan (RAP)

RptSegment 1

DocDate 10/15/2001

DocRcvd 2/20/2007

Box SF1045

AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY

CORRECTIVE ACTION PLAN

15A NCAC Subchapter 2L .106 (c)

***FORMER NELLO L. TEER ASPHALT PLANT #3
NC HIGHWAY 54 AND STATE ROAD 110 4
ORANGE COUNTY, NORTH CAROLINA***

Groundwater Incident # 21750; Site Priority 40A

Facility ID #

Not Applicable

Responsible Party:

*Hanson Aggregates East
2300 Gateway Centre Boulevard
Morrisville, North Carolina
(919) 380-2600*

Current Property Owner:

Orange Water and Sewer Authority

Prepared for:

*Orange Water and Sewer Authority
400 Jones Ferry Road
Post Office Box 366
Carrboro, North Carolina 27510-0366
(919) 968-4421*

Prepared by:

*Withers & Ravenel Engineering & Surveying, Inc.
111 MacKenan Drive
Cary, North Carolina 27511
(919) 460-6006*

Discovery Date: October 4, 1999

Cause of Release: Unknown
54.6"

Release Quantity: Unknown

Source of Release: Unknown

Latitude: N 35° 55' 47.4"

Longitude: W 79° 8'

October 15, 2001

Lab Report



Full Service Analytical & Environmental Solutions

8/30/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: E-2-6'

Prism Sample ID: AC17374

Login Group: AO827H25

Sample Collection Date/Time: 8/23/01 16:00

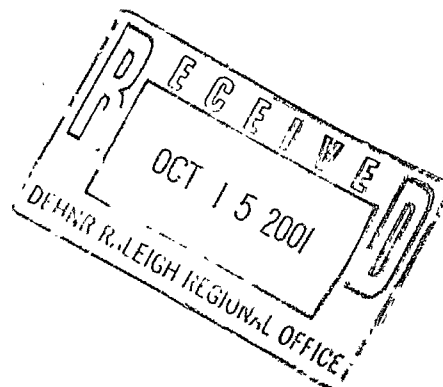
Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/25/01 19:33	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 13:10	KC
OIL AND GREASE	200	mg/kg	50	9071	8/28/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services



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Lab Report



Full Service Analytical & Environmental Solutions

8/30/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: E-2-14-17'

Prism Sample ID: AC17375

Login Group: AO827H25

Sample Collection Date/Time: 8/23/01 16:00

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/25/01 20:15	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 13:47	KC
OIL AND GREASE	110	mg/kg	50	9071	8/28/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Full Service Analytical & Environmental Solutions

8/30/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: E-3, W-4.5

Prism Sample ID: AC17376

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 07:50

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	1500	mg/kg	1000	8015MOD/3550	8/26/01 14:19	GRR
OIL AND GREASE	1200	mg/kg	50	9071	8/28/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



8/30/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: W-6, 5-4

Prism Sample ID: AC17377

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 08:00

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	590	mg/kg	100	8015MOD/3550	8/26/01 11:31	GRR
OIL AND GREASE	970	mg/kg	50	9071	8/28/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro
Customer Sample ID: W-6, FLOOR
Prism Sample ID: AC17378
Login Group: AO827H25
Sample Collection Date/Time: 8/24/01 10:15
Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	860	mg/kg	500	8015MOD/3550	8/26/01 12:55	GRR
TPH-GASOLINE RANGE / PREP. 5030	73	mg/kg	25	8015MOD/5030	8/27/01 16:41	KC
OIL AND GREASE	1100	mg/kg	50	9071	8/28/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	87	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to be "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro
Customer Sample ID: HN-1
Prism Sample ID: AC17379
Login Group: AO827H25
Sample Collection Date/Time: 8/24/01 12:10
Lab Submittal Date/Time: 8/25/01 09:15

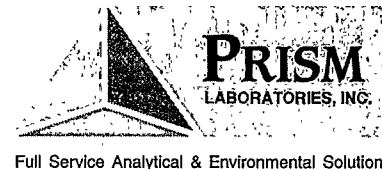
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	940	mg/kg	500	8015MOD/3550	8/26/01 13:38	GRR
OIL AND GREASE	510	mg/kg	50	9071	8/28/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro
Customer Sample ID: E-2, 12'
Prism Sample ID: AC17380
Login Group: AO827H25
Sample Collection Date/Time: 8/24/01 15:20
Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 01:06	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 15:00	KC
OIL AND GREASE	120	mg/kg	50	9071	8/28/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: HNB-1

Prism Sample ID: AC17381

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:00

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 01:48	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 15:37	KC
OIL AND GREASE	280	mg/kg	50	9071	8/28/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	66	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro
Customer Sample ID: HNB-2
Prism Sample ID: AC17382
Login Group: AO827H25
Sample Collection Date/Time: 8/24/01 15:00
Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 02:30	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 16:14	KC
OIL AND GREASE	110	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



Full Service Analytical & Environmental Solutions

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: HNB-3

Prism Sample ID: AC17383

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:03

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 03:10	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 16:50	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	68	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



Full Service Analytical & Environmental Solutions

8/30/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: HNB-4

Prism Sample ID: AC17384

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:04

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 03:51	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 17:27	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



8/30/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: HNB-5

Prism Sample ID: AC17385

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:06

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 04:32	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 18:04	KC
OIL AND GREASE	140	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



8/30/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro
Customer Sample ID: HNB-6
Prism Sample ID: AC17386
Login Group: AO827H25
Sample Collection Date/Time: 8/24/01 15:08
Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 05:14	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 18:41	KC
OIL AND GREASE	71	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



8/30/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: HNB-7

Prism Sample ID: AC17387

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:10

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 05:54	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 19:17	KC
OIL AND GREASE	92	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	70	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



Full Service Analytical & Environmental Solutions

8/30/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: HNB-8

Prism Sample ID: AC17388

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:12

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	190	mg/kg	100	8015MOD/3550	8/26/01 12:13	GRR
TPH-GASOLINE RANGE / PREP. 5030	21	mg/kg	5	8015MOD/5030	8/25/01 19:54	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	81	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

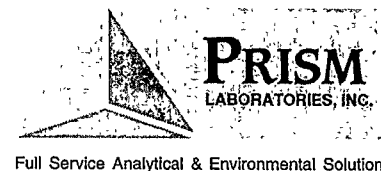
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/30/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro
Customer Sample ID: HNB-9
Prism Sample ID: AC17389
Login Group: AO827H25
Sample Collection Date/Time: 8/24/01 15:14
Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	1600	mg/kg	1000	8015MOD/3550	8/26/01 15:01	GRR
TPH-GASOLINE RANGE / PREP. 5030	44	mg/kg	10	8015MOD/5030	8/27/01 17:19	KC
OIL AND GREASE	470	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	69	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

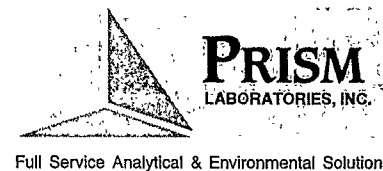
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/30/01

Page 17 of 25

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro
Customer Sample ID: 2N1'A@6'
Prism Sample ID: AC17390
Login Group: AO827H25
Sample Collection Date/Time: 8/24/01 15:30
Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 07:58	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 21:07	KC
OIL AND GREASE	90	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



8/30/01

Page 18 of 25

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: 2SR@6'

Prism Sample ID: AC17391

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:35

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 08:41	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/25/01 21:44	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



Full Service Analytical & Environmental Solutions

8/30/01

Page 19 of 25

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: 2N1@10-11'

Prism Sample ID: AC17392

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:40

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	27	mg/kg	10	8015MOD/3550	8/26/01 10:09	GRR
TPH-GASOLINE RANGE / PRÉP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/27/01 20:27	KC
OIL AND GREASE	150	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PRÉP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

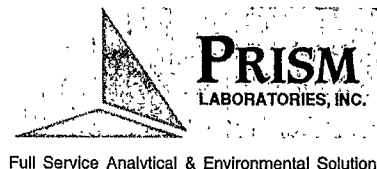
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/30/01

Page 20 of 25

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: 2E10@10'

Prism Sample ID: AC17393

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:40

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/26/01 10:49	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/27/01 21:05	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/28/01 16:15	GRR
CALCULATIONS BASED ON DRY WT.	86	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



8/30/01

Page 21 of 25

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: 2E9@6'

Prism Sample ID: AC17394

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:45

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/26/01 19:11	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/27/01 21:42	KC
OIL AND GREASE	110	mg/kg	50	9071	8/29/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	86	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 11:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/30/01

Page 22 of 25

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro
Customer Sample ID: 2E2/E3@6'
Prism Sample ID: AC17395
Login Group: AO827H25
Sample Collection Date/Time: 8/24/01 15:48
Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/26/01 19:52	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/27/01 22:19	KC
OIL AND GREASE	90	mg/kg	50	9071	8/29/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 11:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/30/01

Page 23 of 25

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro
Customer Sample ID: 2W8@17'
Prism Sample ID: AC17396
Login Group: AO827H25
Sample Collection Date/Time: 8/24/01 15:52
Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/26/01 20:34	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/27/01 22:56	KC
OIL AND GREASE	130	mg/kg	50	9071	8/29/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 11:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/30/01

Page 24 of 25

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: 2W8@7'

Prism Sample ID: AC17397

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 15:52

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/26/01 22:40	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/27/01 23:33	KC
OIL AND GREASE	230	mg/kg	50	9071	8/29/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 11:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



8/30/01

Page 25 of 25

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC-Carrboro

Customer Sample ID: 2W6@15'

Prism Sample ID: AC17398

Login Group: AO827H25

Sample Collection Date/Time: 8/24/01 16:00

Lab Submittal Date/Time: 8/25/01 09:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/26/01 23:21	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/28/01 00:10	KC
OIL AND GREASE	120	mg/kg	50	9071	8/29/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	70	% DRY WT.	0.01	SM 2540 G	8/27/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	8/25/01 11:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services



Full Service Analytical & Environmental Solutions

Client PATTERSON EXPLORATION (PIS Resn. Labs)
Physical Address 1901 Boone Trail Rd
SANFORD NC 27330
Phone 919-774-3110 Fax 919-774-3510
P.O.#/Billing Reference 080201
Project Name NLC - CARBORO

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217

P.O. Box 240543 ▲ Charlotte, NC 28224-0543

Phone: 704/529-6364 Fax: 704/525-0409

REPORT TO: Name Russ Patterson/Dwayne Phillips

Address P.O. Box 2008, Sanford, NC

BILL TO: Name Janet

Address

Requested Due Date ☐ 1 Day ☐ 2 Days ☒ 3 Days ☐ 4 Days ☐ 5 Days

☐ 6-9 Days ☐ Standard 10 days

Samples received after 15:00 will be processed the next business day.

Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp. <u>4.5</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification

Requested FL NC ☒ SC Other NA

Water Chlorinated Yes No NA

Sample Iced Upon Collection Yes No

CMUD NPDES OTHER

PRESS DOWN FIRMLY - 3 COPIES

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES <u>None</u>	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID-NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		TPH6	TPH10	GPD						
<u>Boile-G</u>	<u>8-23</u>	<u>1600</u>	<u>SOIL</u>	<u>C</u>	<u>2ea</u>	<u>4oz + 8oz</u>	<u>None</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>17374</u>
<u>E-2 14-17</u>	<u>8-23</u>	<u>1600</u>	<u> </u>	<u>C</u>	<u>2ea</u>	<u>8oz + 4oz</u>	<u>None</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>17375</u>
<u>E-3, W-4.5</u>	<u>8-24</u>	<u>0750</u>	<u> </u>	<u>C</u>		<u>8oz</u>	<u>None</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>17376</u>
<u>W-6, S-A</u>	<u>8-24</u>	<u>0800</u>	<u> </u>	<u>C</u>		<u>8oz</u>	<u>None</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>17377</u>
<u>W-6, Floor</u>	<u>8-24</u>	<u>1015</u>	<u> </u>	<u>C</u>	<u>4oz</u>	<u>8oz</u>	<u>None</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>17378</u>
<u>HN-1</u>	<u>8-20</u>	<u>1210</u>	<u> </u>	<u>C</u>		<u>6oz</u>	<u>None</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>17379</u>
<u>E-2, 12'</u>	<u>8-24</u>	<u>1520</u>	<u> </u>	<u>C</u>	<u>4oz</u>	<u>8oz</u>	<u>None</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>17380</u>
<u>HNB-1</u>	<u> </u>	<u>1500</u>	<u> </u>	<u>C</u>	<u> </u>	<u> </u>	<u>None</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>17381</u>
<u>HNB-2</u>	<u> </u>	<u>1500</u>	<u> </u>	<u>C</u>	<u> </u>	<u> </u>	<u>None</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>17382</u>
<u>HNB-3</u>	<u> </u>	<u>1503</u>	<u> </u>	<u>C</u>	<u> </u>	<u> </u>	<u>None</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<u>17383</u>

Sampler's Signature O. F. Patterson, III Sampled By (Print Name) O. F. PATTERSON, III Affiliation PXS

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8-24-01</u>	Military/Hours <u>16:35</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u> </u>	
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8/25/01</u>	0915
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Hand-delivered <input checked="" type="checkbox"/> Other: <u>Prism</u>	Log-In Group No. <u>A080TH25</u>		

Additional Comments:

PRISM USE ONLY

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA:	LANDFILL:	OTHER:
<input type="checkbox"/> NC	<input checked="" type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC
<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

SEE REVERSE FOR
TERMS & CONDITIONS

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FINAL REPORT COPY



Full Service Analytical & Environmental Solutions

Client Patterson Exploration
Physical Address 1907 Boone Trail Rd
Santa NC 27330
Phone 919 774 3770 Fax 774-3570
P.O.#/Billing Reference 080201
Project Name NLTC - Carrboro

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____ QUOTE # ____

449 Springbrook Road ▲ Charlotte, NC 28217

P.O. Box 240543 ▲ Charlotte, NC 28224-0543

Phone: 704/529-6364 Fax: 704/525-0409

REPORT TO: Name Russ Patterson

Address PO Box 3008 Sanford NC

BILL TO: Name _____

Address _____

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days

☐ 6-9 Days ☐ Standard 10 days

Samples received after 15:00 will be processed the next business day.

Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY

Samples INTACT upon arrival?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	N/A <input type="checkbox"/>
Received ON WET ICE? Temp <u>45</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification

Requested FL ____ NC ____ SC ____ Other ____ NA ____

Water Chlorinated Yes ____ No ____ NA ____

Sample Iced Upon Collection Yes ____ No ____

CMUD ____ NPDES ____ OTHER ____

PRESS DOWN FIRMLY - 3 COPIES

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED							REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		TPH/G	TPH/D	AD/1							
HNB-4	8-24	1504	SOIL	C	402	802		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							17384
HNB-5		1506						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							17385
HNB-6		1508						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							17386
HNB-7		1510						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							17387
HNB-8		1512						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							17388
HNB-9		1514						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							17389
2NI406'		1530															17390
2SR06'		1535															17391
2UT10-11'		1540															17392
2E10@10'		1540															17393

Sampler's Signature O.F. Patterson

Sampled By (Print Name) O.F. Patterson, III

Affiliation PAE

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8-24-01</u>	Military/Hours <u>16:35</u>
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8/25/01</u>	0915
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Hand-delivered <input checked="" type="checkbox"/> Other: <u>Prism</u>		Log In Group No. <u>A0827125</u>	

Additional Comments:

PRISM USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

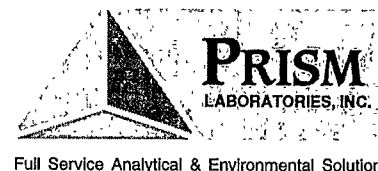
NPDES: ☐ NC ☐ SC ☐ OTHER
UST: ☐ NC ☐ SC ☐ OTHER
GROUNDWATER: ☐ NC ☐ SC ☐ OTHER
DRINKING WATER: ☐ NC ☐ SC ☐ OTHER
SOLID WASTE: ☐ NC ☐ SC ☐ OTHER
RCRA: ☐ NC ☐ SC ☐ OTHER
CERCLA: ☐ NC ☐ SC ☐ OTHER
LANDFILL: ☐ NC ☐ SC ☐ OTHER
OTHER: ☐ NC ☐ SC ☐ OTHER

**SEE REVERSE FOR
TERMS & CONDITIONS**

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: S-1, 6
Prism Sample ID: AC16138
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 08:50
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/17/01 11:49	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/15/01 20:50	KC
OIL AND GREASE	170	mg/kg	50	9071	8/15/01 18:00	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 12:00	JLW

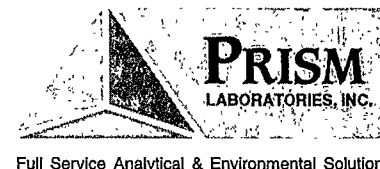
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: S-1A, 15

Prism Sample ID: AC16139

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 08:55

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/17/01 12:32	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/15/01 21:27	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/15/01 18:00	GRR
CALCULATIONS BASED ON DRY WT.	64	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 12:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: S-2,6

Prism Sample ID: AC16140

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 09:00

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/17/01 13:13	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/15/01 22:04	KC
OIL AND GREASE	250	mg/kg	50	9071	8/15/01 18:00	GRR
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 12:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: S-2A, 11

Prism Sample ID: AC16141

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 09:05

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/17/01 13:56	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/15/01 22:41	KC
OIL AND GREASE	110	mg/kg	50	9071	8/15/01 18:00	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 12:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to be "AO", is written over the sample comments section.

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Lab Report



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8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: S-3, 6

Prism Sample ID: AC16142

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 09:10

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 14:37	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/15/01 23:18	KC
OIL AND GREASE	130	mg/kg	50	9071	8/15/01 18:00	GRR
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 12:00	JLW

Sample Comments:

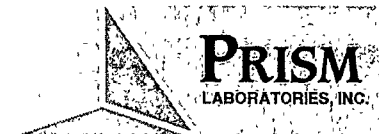
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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: S-3A, 14

Prism Sample ID: AC16143

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 09:15

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 15:19	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/15/01 23:54	KC
OIL AND GREASE	190	mg/kg	50	9071	8/15/01 18:00	GRR
CALCULATIONS BASED ON DRY WT.	93	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: S-4, 6

Prism Sample ID: AC16144

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 09:20

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 16:00	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 00:31	KC
OIL AND GREASE	620	mg/kg	50	9071	8/15/01 18:00	GRR
CALCULATIONS BASED ON DRY WT.	72	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

Sample Comments:

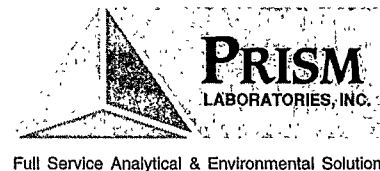
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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: S-5, 6.5
Prism Sample ID: AC16145
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 09:25
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 16:43	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 01:08	KC
OIL AND GREASE	84	mg/kg	50	9071	8/15/01 18:00	GRR
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

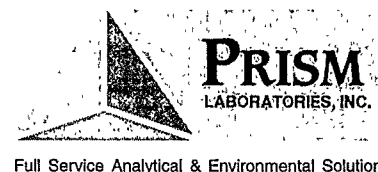
Sample Comments:

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: SE, 6.5
Prism Sample ID: AC16146
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 09:30
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 17:24	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 16:04	KC
OIL AND GREASE	110	mg/kg	50	9071	8/16/01 12:00	GRR
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

Sample Comments:

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: SE, 14
Prism Sample ID: AC16147
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 09:35
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 18:07	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 16:42	KC
OIL AND GREASE	150	mg/kg	50	9071	8/16/01 12:00	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: E-1, 6
Prism Sample ID: AC16148
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 09:40
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 18:49	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 17:19	KC
OIL AND GREASE	74	mg/kg	50	9071	8/16/01 12:00	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

Sample Comments:

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: E-1A, 10
Prism Sample ID: AC16149
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 09:45
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 19:30	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 17:57	KC
OIL AND GREASE	200	mg/kg	50	9071	8/20/01 12:30	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

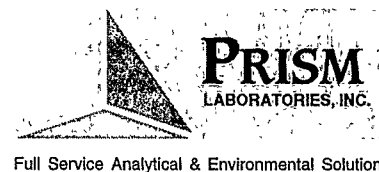
Sample Comments:

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: E-2, 5
Prism Sample ID: AC16150
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 09:50
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 20:12	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 18:34	KC
OIL AND GREASE	170	mg/kg	50	9071	8/16/01 12:00	GRR
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

Sample Comments:

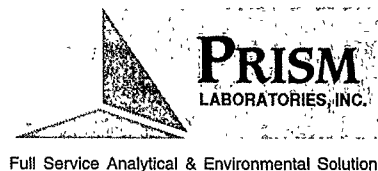
A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: E-2, 10
Prism Sample ID: AC16151
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 09:55
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 20:54	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 20:27	KC
OIL AND GREASE	130	mg/kg	50	9071	8/16/01 12:00	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

Sample Comments:

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: **NLTC Excavation**

Customer Sample ID: **E-2B, 19**

Prism Sample ID: **AC16152**

Login Group: **AO817H89**

Sample Collection Date/Time: **8/13/01 10:00**

Lab Submittal Date/Time: **8/15/01 10:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 21:37	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 21:04	KC
OIL AND GREASE	380	mg/kg	50	9071	8/16/01 12:00	GRR
CALCULATIONS BASED ON DRY WT.	62	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: E2/E3, 6

Prism Sample ID: AC16153

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 10:05

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 22:18	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 21:40	KC
OIL AND GREASE	260	mg/kg	50	9071	8/16/01 12:00	GRR
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

Sample Comments:

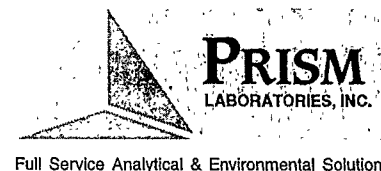
A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: E3/E4, 6.5

Prism Sample ID: AC16154

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 10:10

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 00:24	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 22:17	KC
OIL AND GREASE	160	mg/kg	50	9071	8/16/01 10:00	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

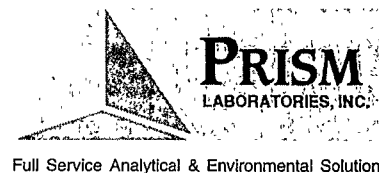
Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: E4/E5, 6

Prism Sample ID: AC16155

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 10:15

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 01:06	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 22:54	KC
OIL AND GREASE	120	mg/kg	50	9071	8/16/01 10:00	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/16/01 17:00	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: E-5, 6
Prism Sample ID: AC16156
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 10:20
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 05:17	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/16/01 23:31	KC
OIL AND GREASE	150	mg/kg	50	9071	8/16/01 16:00	JDP
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

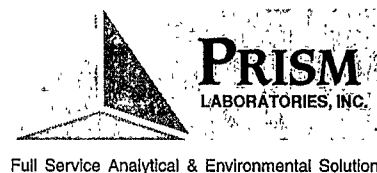
Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: E-6, 6

Prism Sample ID: AC16157

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 10:25

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 05:58	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 00:07	KC
OIL AND GREASE	110	mg/kg	50	9071	8/16/01 16:00	JDP
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: E-7, 5.5

Prism Sample ID: AC16158

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 10:30

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 06:40	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 11:05	KC
OIL AND GREASE	98	mg/kg	50	9071	8/16/01 16:00	JDP
CALCULATIONS BASED ON DRY WT.	81	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: E-8, 7

Prism Sample ID: AC16159

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 10:35

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 07:22	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 11:42	KC
OIL AND GREASE	140	mg/kg	50	9071	8/16/01 16:00	JDP
CALCULATIONS BASED ON DRY WT.	70	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: E-9, 5

Prism Sample ID: AC16160

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 10:40

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 08:03	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 12:18	KC
OIL AND GREASE	110	mg/kg	50	9071	8/16/01 16:00	JDP
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

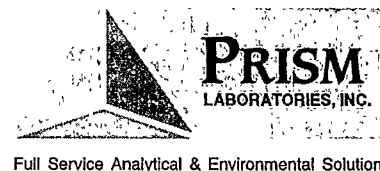
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: E-9, 13

Prism Sample ID: AC16161

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 10:45

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 08:45	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 12:55	KC
OIL AND GREASE	79	mg/kg	50	9071	8/16/01 16:00	JDP
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: E-10, 5.5

Prism Sample ID: AC16162

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 10:50

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 09:27	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 13:32	KC
OIL AND GREASE	120	mg/kg	50	9071	8/16/01 16:00	JDP
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: E-10A, 12
Prism Sample ID: AC16163
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 10:55
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 13:49	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 14:10	KC
OIL AND GREASE	410	mg/kg	50	9071	8/16/01 16:00	JDP
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-23

Prism Sample ID: AC16164

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 11:00

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 14:31	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 14:49	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 11:15	JDP
CALCULATIONS BASED ON DRY WT.	69	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

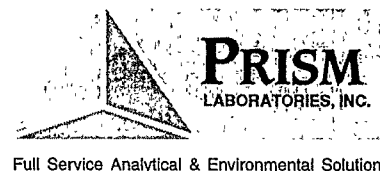
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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: N-1, 6
Prism Sample ID: AC16165
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 11:05
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	20000	mg/kg	1000	8015MOD/3550	8/18/01 11:43	GRR
TPH-GASOLINE RANGE / PREP. 5030	310	mg/kg	50	8015MOD/5030	8/18/01 12:54	KC
OIL AND GREASE	17000	mg/kg	50	9071	8/17/01 11:15	JDP
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

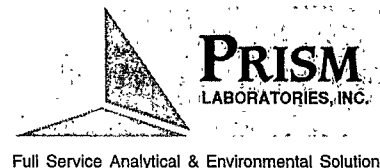
Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: N-1A, 11.5
Prism Sample ID: AC16166
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 11:10
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	1400	mg/kg	200	8015MOD/3550	8/19/01 11:04	GRR
TPH-GASOLINE RANGE / PREP. 5030	15	mg/kg	10	8015MOD/5030	8/17/01 16:05	KC
OIL AND GREASE	1200	mg/kg	50	9071	8/17/01 11:15	JDP
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

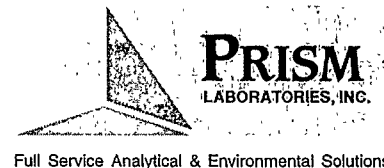
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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: N-2, 6
Prism Sample ID: AC16167
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 11:15
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 15:13	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 16:42	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 11:15	JDP
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: N-2, 10.5

Prism Sample ID: AC16168

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 11:20

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 15:55	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 17:20	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 11:15	JDP
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: N-3, 6

Prism Sample ID: AC16169

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 11:25

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 16:37	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 19:13	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 11:15	JDP
CALCULATIONS BASED ON DRY WT.	70	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: N-3, 12

Prism Sample ID: AC16170

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 11:30

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 17:19	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 19:50	KC
OIL AND GREASE	59	mg/kg	50	9071	8/17/01 11:15	JDP
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

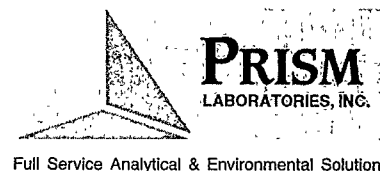
Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: N-4, 5.5

Prism Sample ID: AC16171

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 11:35

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 18:00	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 20:28	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 11:15	JDP
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

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8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: N-5, 6

Prism Sample ID: AC16172

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 11:40

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 18:44	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 21:05	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	70	% DRY WT.	0.01	SM 2540 G	8/14/01 16:35	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: N-6,6

Prism Sample ID: AC16173

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 11:45

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 19:27	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 21:43	KC
OIL AND GREASE	87	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	69	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: NW, 5.5

Prism Sample ID: AC16174

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 11:50

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 20:08	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 22:20	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: W-3,6

Prism Sample ID: AC16175

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 11:55

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/18/01 20:50	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 22:57	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/17/01 11:00	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: W-4, 7

Prism Sample ID: AC16176

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:00

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 02:30	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/17/01 23:34	KC
OIL AND GREASE	120	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

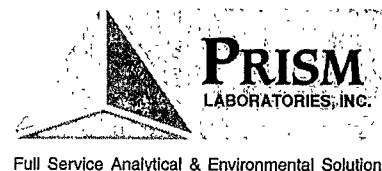
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: W-5, 6

Prism Sample ID: AC16177

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:05

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 03:13	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/18/01 14:07	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: W-5A, 11

Prism Sample ID: AC16178

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:10

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 03:56	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/18/01 14:44	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

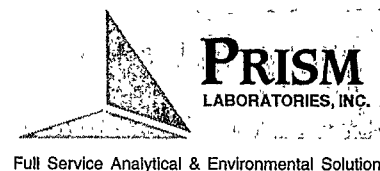
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: W-5B, 15

Prism Sample ID: AC16179

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:15

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 04:39	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/18/01 15:21	KC
OIL AND GREASE	51	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: W-6, 7

Prism Sample ID: AC16180

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:20

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 05:23	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/18/01 15:58	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "A. Overcash", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: W-6A, 15

Prism Sample ID: AC16181

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:25

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 06:06	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/18/01 16:35	KC
OIL AND GREASE	250	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

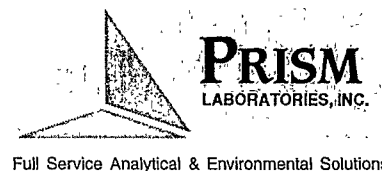
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: W-7,7
Prism Sample ID: AC16182
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 12:30
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 06:48	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 19:48	KC
OIL AND GREASE	150	mg/kg	50	9071	8/20/01 12:30	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

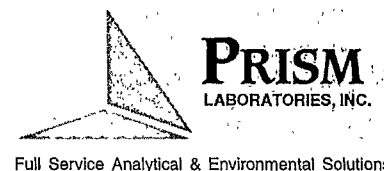
A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

Angela D. Overcash, V.P. Laboratory Services

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: W-7,13
Prism Sample ID: AC16183
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 12:35
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 07:31	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/18/01 17:49	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/17/01 16:00	JMK
CALCULATIONS BASED ON DRY WT.	91	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "Angela D. Overcash".

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: W-8,7
Prism Sample ID: AC16184
Login Group: AO817H89
Sample Collection Date/Time: 8/13/01 12:38
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 08:13	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/18/01 18:25	KC
OIL AND GREASE	250	mg/kg	50	9071	8/20/01 12:30	GRR
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: W-8, 12

Prism Sample ID: AC16185

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:40

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 08:55	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/18/01 19:02	KC
OIL AND GREASE	230	mg/kg	50	9071	8/20/01 12:30	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: W-8, 18.5

Prism Sample ID: AC16186

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:42

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	2500	mg/kg	500	8015MOD/3550	8/19/01 13:15	GRR
TPH-GASOLINE RANGE / PREP. 5030	210	mg/kg	100	8015MOD/5030	8/20/01 11:43	KC
OIL AND GREASE	680	mg/kg	50	9071	8/20/01 12:30	GRR
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: TP-1

Prism Sample ID: AC16187

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:45

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	30	8015MOD/3550	8/17/01 05:00	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 12:20	KC
CALCULATIONS BASED ON DRY WT.	86	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

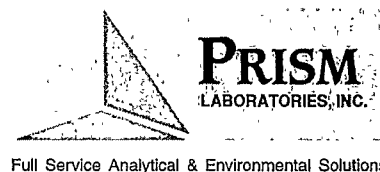
Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-6

Prism Sample ID: AC16188

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 16:55

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 12:57	KC
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-7

Prism Sample ID: AC16189

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 16:58

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 13:34	KC
CALCULATIONS BASED ON DRY WT.	68	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-8

Prism Sample ID: AC16190

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 17:00

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	1.1	mg/kg	1.0	8015MOD/5030	8/21/01 01:20	KC
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

Sample Comments:

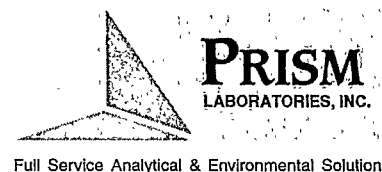
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-9

Prism Sample ID: AC16191

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 17:05

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 14:49	KC
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

Sample Comments:

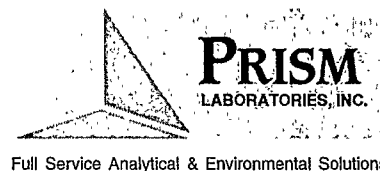
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: B-10
Prism Sample ID: AC16192
Login Group: AO817H89
Sample Collection Date/Time: 8/10/01 17:10
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 15:26	KC
CALCULATIONS BASED ON DRY WT.	83	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

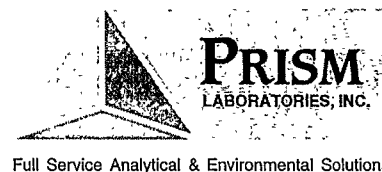
Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-11

Prism Sample ID: AC16193

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 17:12

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 16:04	KC
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

Sample Comments:

A handwritten signature in black ink, appearing to be "AO", is written over the sample comments section.

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-12

Prism Sample ID: AC16194

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 17:15

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 11:13	KC
CALCULATIONS BASED ON DRY WT.	70	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

Sample Comments:

A handwritten signature in black ink, appearing to be "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: B-13
Prism Sample ID: AC16195
Login Group: AO817H89
Sample Collection Date/Time: 8/10/01 17:20
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	530	mg/kg	10	8015MOD/3550	8/17/01 01:34	GRR
TPH-GASOLINE RANGE / PREP. 5030	79	mg/kg	50	8015MOD/5030	8/21/01 11:50	KC
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

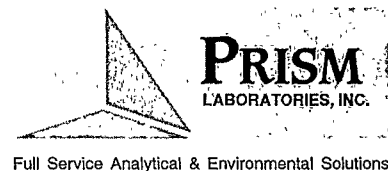
A handwritten signature in black ink, appearing to be "Rl" or "Al", written in a cursive style.

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-14

Prism Sample ID: AC16196

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 17:25

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	52	mg/kg	10	8015MOD/3550	8/17/01 00:10	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 17:56	KC
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-15

Prism Sample ID: AC16197

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 17:30

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	30	8015MOD/3550	8/17/01 00:52	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 20:26	KC
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

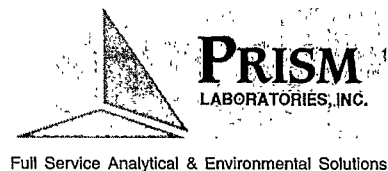
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: TP-2

Prism Sample ID: AC16198

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:50

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

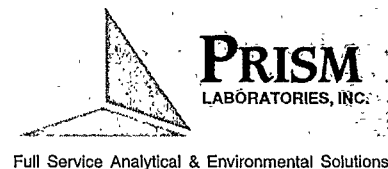
TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	34000	mg/kg	1000	8015MOD/3550	8/17/01 07:04	GRR
CALCULATIONS BASED ON DRY WT.	72	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to be "AO", is written over the sample comments section.

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: TP-3

Prism Sample ID: AC16199

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 12:55

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	26000	mg/kg	1000	8015MOD/3550	8/17/01 06:22	GRR
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

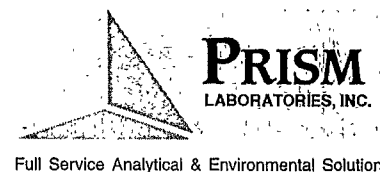
Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: LH-1

Prism Sample ID: AC16200

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 13:00

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/16/01 12:19	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 21:03	KC
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: LH-2

Prism Sample ID: AC16201

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 13:05

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/16/01 13:01	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 22:54	KC
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: LH-3

Prism Sample ID: AC16202

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 13:10

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/16/01 13:42	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/20/01 23:30	KC
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: LH-4

Prism Sample ID: AC16203

Login Group: AO817H89

Sample Collection Date/Time: 8/13/01 13:15

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	8/16/01 14:25	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 12:27	KC
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

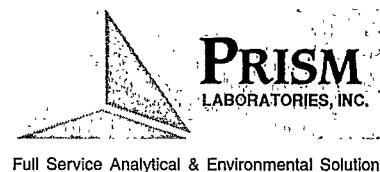
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-2

Prism Sample ID: AC16204

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 16:30

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 00:44	KC
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

Sample Comments:

A handwritten signature in black ink, appearing to be "AO", is written over the sample comments section.

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-3

Prism Sample ID: AC16205

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 16:35

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 13:04	KC
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

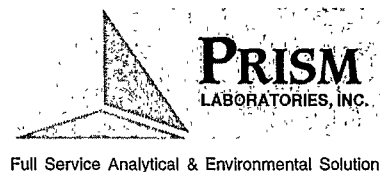
Sample Comments:

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-4

Prism Sample ID: AC16206

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 16:40

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 13:41	KC
CALCULATIONS BASED ON DRY WT.	67	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

Sample Comments:

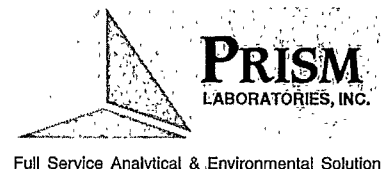
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-5

Prism Sample ID: AC16207

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 16:45

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 14:18	KC
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR

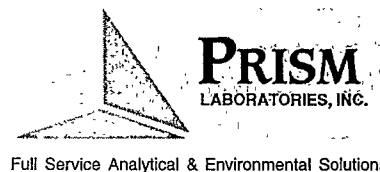
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-16

Prism Sample ID: AC16208

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 17:39

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	100	mg/kg	50	8015MOD/3550	8/17/01 02:15	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/22/01 00:45	KC
CALCULATIONS BASED ON DRY WT.	85	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: **NLTC Excavation**

Customer Sample ID: **B-17**

Prism Sample ID: **AC16209**

Login Group: **AO817H89**

Sample Collection Date/Time: **8/10/01 17:40**

Lab Submittal Date/Time: **8/15/01 10:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 02:57	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 15:32	KC
CALCULATIONS BASED ON DRY WT.	83	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

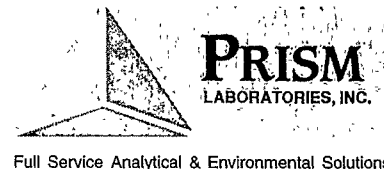
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-18

Prism Sample ID: AC16210

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 17:45

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/17/01 03:38	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 16:10	KC
CALCULATIONS BASED ON DRY WT.	85	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: B-19
Prism Sample ID: AC16211
Login Group: AO817H89
Sample Collection Date/Time: 8/10/01 17:50
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	1700	mg/kg	100	8015MOD/3550	8/17/01 09:08	GRR
TPH-GASOLINE RANGE / PREP. 5030	21	mg/kg	5	8015MOD/5030	8/22/01 04:24	KC
CALCULATIONS BASED ON DRY WT.	67	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

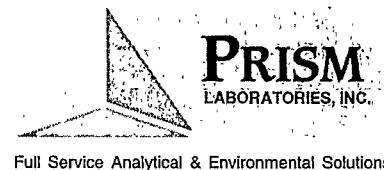
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: **NLTC Excavation**

Customer Sample ID: **B-20**

Prism Sample ID: **AC16212**

Login Group: **AO817H89**

Sample Collection Date/Time: **8/10/01 17:55**

Lab Submittal Date/Time: **8/15/01 10:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	270	mg/kg	10	8015MOD/3550	8/16/01 20:40	GRR
TPH-GASOLINE RANGE / PREP. 5030	8.8	mg/kg	1.0	8015MOD/5030	8/21/01 17:24	KC
CALCULATIONS BASED ON DRY WT.	58	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



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8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-21

Prism Sample ID: AC16213

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 18:00

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	450	mg/kg	100	8015MOD/3550	8/17/01 09:49	GRR
TPH-GASOLINE RANGE / PREP. 5030	38	mg/kg	10	8015MOD/5030	8/22/01 08:37	KC
CALCULATIONS BASED ON DRY WT.	85	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

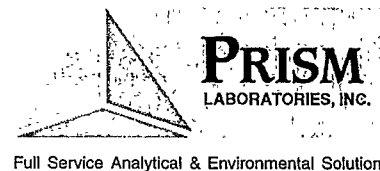
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: B-22

Prism Sample ID: AC16214

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 18:05

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	230	mg/kg	10	8015MOD/3550	8/17/01 05:41	GRR
TPH-GASOLINE RANGE / PREP. 5030	3.0	mg/kg	1.0	8015MOD/5030	8/21/01 19:52	KC
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

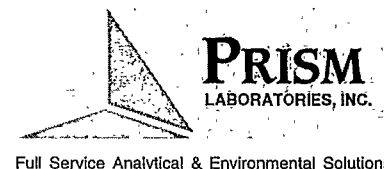
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: SW-1

Prism Sample ID: AC16215

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 10:15

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/16/01 22:04	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 20:29	KC
CALCULATIONS BASED ON DRY WT.	81	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

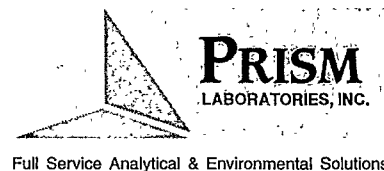
Sample Comments:

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: SW-2

Prism Sample ID: AC16216

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 10:20

Lab Submittal Date/Time: 8/15/01 10:00

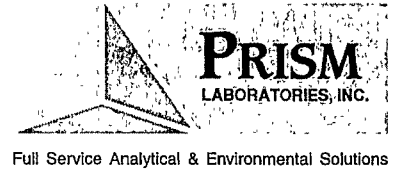
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/16/01 22:46	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 21:06	KC
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: SW-3

Prism Sample ID: AC16217

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 10:25

Lab Submittal Date/Time: 8/15/01 10:00

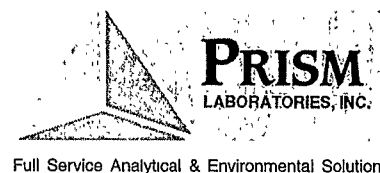
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/16/01 23:28	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 21:43	KC
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/15/01 15:00	JMV

Sample Comments:

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Lab Report



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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: SW-4

Prism Sample ID: AC16218

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 10:30

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 11:46	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 22:19	KC
OIL AND GREASE	100	mg/kg	50	9071	8/20/01 12:30	GRR
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

Sample Comments:

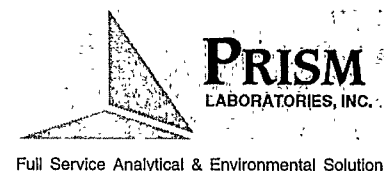
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: SW-5
Prism Sample ID: AC16219
Login Group: AO817H89
Sample Collection Date/Time: 8/10/01 10:35
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 12:33	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 22:56	KC
OIL AND GREASE	97	mg/kg	50	9071	8/20/01 12:30	GRR
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/18/01 08:30	JLW

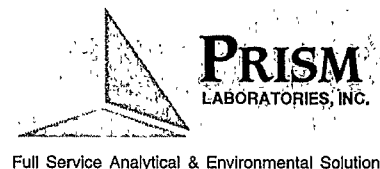
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/22/01

Page 83 of 89

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation
Customer Sample ID: SW-6
Prism Sample ID: AC16220
Login Group: AO817H89
Sample Collection Date/Time: 8/10/01 10:40
Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 17:30	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/21/01 23:32	KC
OIL AND GREASE	100	mg/kg	50	9071	8/20/01 12:30	GRR
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/19/01 10:00	JLW

Sample Comments:

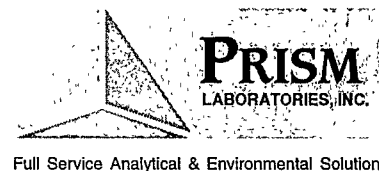
A handwritten signature in black ink, appearing to read "A. Overcash", is written over a horizontal line.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/22/01

Page 84 of 89

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: SW-7

Prism Sample ID: AC16221

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 10:45

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 18:13	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/22/01 00:09	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/20/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/19/01 10:00	JLW

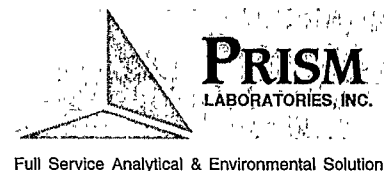
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/22/01

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Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: SW-8

Prism Sample ID: AC16222

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 10:50

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 18:55	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/22/01 01:22	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/20/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/19/01 10:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
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Lab Report



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8/22/01

Page 86 of 89

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: SW-9

Prism Sample ID: AC16223

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 10:55

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 19:38	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/22/01 01:58	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/20/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	70	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/19/01 10:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/22/01

Page 87 of 89

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: SW-10

Prism Sample ID: AC16224

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 11:00

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 20:20	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/22/01 02:35	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/20/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/19/01 10:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



8/22/01

Page 88 of 89

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: SW-11

Prism Sample ID: AC16225

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 11:05

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 21:03	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/22/01 03:11	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/20/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/19/01 10:00	JLW

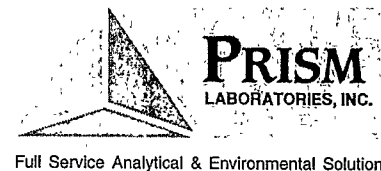
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



8/22/01

Page 89 of 89

Patterson Exploration Services
Dwayne Phillips
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: NLTC Excavation

Customer Sample ID: SW-12

Prism Sample ID: AC16226

Login Group: AO817H89

Sample Collection Date/Time: 8/10/01 11:10

Lab Submittal Date/Time: 8/15/01 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

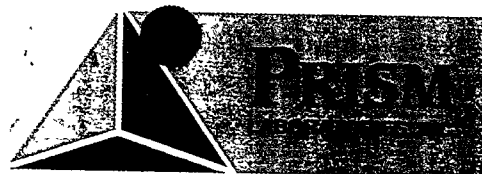
TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	20	8015MOD/3550	8/19/01 21:46	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	8/22/01 03:47	KC
OIL AND GREASE	Less than	mg/kg	50	9071	8/20/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	8/16/01 21:00	GRR
PREP. METHOD 3550	Completed			SW846-3550	8/19/01 10:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409



Full Service Analytical & Environmental Solutions

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

PRESS DOWN FIRMLY - 3 COPIES

Client Patterson Exploration Services
Physical Address 1901 Boone Trail Road
Sanford, NC 27330
Phone 919-774-3710 Fax 919-774-3510
P.O.#/Billing Reference
Project Name NLTC Excavation

REPORT TO: Name Dwayne Phillips
Address P.O. Box 3008 Sanford, NC
BILL TO: Name 27331
Address
Requested Due Date

LAB USE ONLY			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>4.1°</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification
Requested NC ☒ SC ☐ Other ☐ NA ☐
Water Chlorinated Yes ☐ No ☒ NA ☐
Sample Iced Upon Collection Yes ☒ No ☐

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		9071	TPH	TPH						
J-1, 6'	8/13/01	850	Soil	G	1	402		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16138
J-1A, 15'		855						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16139
J-2, 6'		900						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16140
J-2A, 11'		905						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16141
J-3, 6'		910						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16142
J-3A, 14'		915						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16143
J-4, 6'		920						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16144
J-5, 6.5'		925						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16145
JE, 6.5'		930						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16146
JE, 14'		935						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16147

Sampler's Signature OF. Patterson III Sampled By (Print Name) OF. Patterson III Affiliation

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8/14/01</u>	Military/Hours <u>16:10</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>9/15/01</u>	Military/Hours <u>10:00</u>
Method of Shipment <u>PRISM</u>		Log-In Group No. <u>A0817H89</u>	

Additional Comments

* 48 hour turn
Email Results to
dwayne@pattersonexploration.com
russ @

NPDES NC ☐ SC ☐ OTHER ☐ UST: NC ☐ SC ☐ OTHER ☐ GROUNDWATER: NC ☐ SC ☐ OTHER ☐ DRINKING WATER: NC ☐ SC ☐ OTHER ☐ SOLID WASTE: NC ☐ SC ☐ OTHER ☐ OTHER: NC ☐ SC ☐ OTHER ☐

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR
TERMS & CONDITIONS

FINAL REPORT COPY



Full Service Analytical & Environmental Solutions

CHAIN OF CUSTODY RECORD

PAGE 2 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>4.1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PRESS DOWN FIRMLY - 3 COPIES

Client Patterson Exploration Services
Physical Address 1907 Boone Trail Road
Sanford NC
Phone 919-774-3770 Fax 919-774-3510
P.O.#/Billing Reference
Project Name NLTC Exploration

REPORT TO: Name Dwayne Phillips
Address PO Box 3008 Sanford NC
BILL TO: Name 27331
Address
Requested Due Date

State Certification

Requested NC ☒ SC ☐ Other ☐ NA ☐

Water Chlorinated Yes ☐ No ☒ NA ☐

Sample Iced Upon Collection Yes ☒ No ☐

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		9071	1015	1016	1017	1018	1019			
E-1 6'	8/13/01	940	soil	G	1	4 oz		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16148
E-1A 10'		945						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16149
E-2 5'		950						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16150
E-2 10'		955						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16151
E-2B 19'		1000						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16152
E2/ES 6'		1005						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16153
E3/E4 6.5'		1010						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16154
E4/E5 6'		1015						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16155
E-5 6'		1020						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16156
E-6 6'		1025						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16157

Sampler's Signature [Signature] Sampled By (Print Name) O.F. Patterson III Affiliation

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8/14/01</u>	Military/Hours <u>16:10</u>
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8/15/01</u>	Military/Hours <u>1000</u>
Method of Shipment <u>PRISM</u>		Log-In Group No. <u>10817H89</u>	

Additional Comments

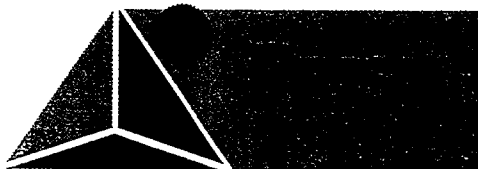
48 hour turn

NPDES NC ☐ UST: NC ☐ GROUNDWATER: NC ☐ DRINKING WATER: NC ☐ SOLID WASTE: NC ☐ OTHER: NC ☐
SC ☐ SC ☐ SC ☐ SC ☐ SC ☐ SC ☐
OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

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CHAIN OF CUSTODY RECORD

PAGE 8 OF 9 QUOTE #

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Client Patterson Exploration Services
Physical Address 1907 Boone Trail Road
Sanford, NC 27330
Phone 919-774-3770 Fax 919-774-3570
P.O.#/Billing Reference
Project Name NLTC Excavation

REPORT TO: Name Dwayne Phillips
Address P.O. Box 3008 / Sanford, NC 27331
BILL TO: Name
Address
Requested Due Date

State Certification
Requested NC ☒ SC ☐ Other ☐ NA ☐
Water Chlorinated Yes ☐ No ☒ NA ☐
Sample Iced Upon Collection Yes ☒ No ☐

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED					REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		9021	TDMS	TDMS					
E-7, 5.5'	8/13/01	1030	Soil	B	1	4 oz		✓	✓	✓					16158
E-8, 7'		1035						✓	✓	✓					16159
E-9, 5'		1040						✓	✓	✓					16160
E-9, 13'		1045						✓	✓	✓					16161
E-10, 5.5'		1050						✓	✓	✓					16162
E-10A, 12'		1055						✓	✓	✓					16163
B-23		1100						✓	✓	✓					16164
N-1, 6'		1105						✓	✓	✓					16165
N-1A, 11.5'		1110						✓	✓	✓					16166
N-2, 6'		1115						✓	✓	✓					16167

Sampler's Signature [Signature] Sampled By (Print Name) O.E. Patterson III Affiliation

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8/14/01</u> Military/Hours <u>16:10</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8/15/01</u> Military/Hours <u>16:10</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8/15/01</u> Military/Hours <u>16:10</u>
Method of Shipment		Log-In Group No. <u>ADP17H89</u>

Additional Comments

48 hour turn

NPDES NC ☐ UST: NC ☐ GROUNDWATER: NC ☐ DRINKING WATER: NC ☐ SOLID WASTE: NC ☐ OTHER: NC ☐
SC ☐ SC ☐ SC ☐ SC ☐ SC ☐ SC ☐
OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

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CHAIN OF CUSTODY RECORD

PAGE 4 OF 9 QUOTE

449 Springbrook Road ▲ Charlotte, NC 28217

P.O. Box 240543 ▲ Charlotte, NC 28224-0543

Phone: 704/529-6364 ▲ Fax: 704/525-0409

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LAB USE ONLY		NO	NA
Samples INTACT upon arrival?			
Received ON WET ICE? Temp 4/10	✓		
PROPER PRESERVATIVES indicated?			✓
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?			✓
PROPER CONTAINERS used?	✓		

Client Patterson Explosion Services
 Physical Address 1907 Boone Trail Road
Wintford NC 27336
 Phone 919-774-3770 Fax 919-774-3570
 P.O.#/Billing Reference _____
 Project Name NLTC Excavation

REPORT TO: Name Dwayne Phillips
 Address P.O. Box 3008 Sanford NC
 BILL TO: Name 27331
 Address _____
 Requested Due Date _____

State Certification
 Requested NC ☒ SC _____ Other ☐ NA _____
 Water Chlorinated Yes _____ No ☒ NA ☒
 Sample Iced Upon Collection Yes ☒ No _____

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED					REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		9071	TDAG	TDAD					
N-2, 10.5'	8/13/01	1120	Soil	G	1	402		✓	✓	✓					16168
N-3, 6'		1125						✓	✓	✓					16169
N-3, 12'		1130						✓	✓	✓					16170
N-4, 5.5'		1135						✓	✓	✓					16171
N-5, 6'		1140						✓	✓	✓					16172
N-6, 6'		1145						✓	✓	✓					16173
NW 5.5'		1150						✓	✓	✓					16174
N-3, 6'		1155						✓	✓	✓					16175
W-4, 7'		1200						✓	✓	✓					16176
W-5, 6'		1205						✓	✓	✓					16177

Sampler's Signature _____

Sampled By (Print Name) O.F. Patterson III

Affiliation _____

Relinquished By: (Signature) _____	Received By: (Signature) _____	Date <u>8/14/01</u>	Military/Hours <u>16:10</u>
Relinquished By: (Signature) _____	Received By: (Signature) _____	Date _____	
Relinquished By: (Signature) _____	Received For Prism Laboratories By: _____	Date <u>8/15/01</u>	1000
Method of Shipment <u>in 5m</u>		Log-In Group No. <u>R0817489</u>	

Additional Comments

48 hour turn

NPDES NC _____ UST: NC _____ GROUNDWATER: NC _____ DRINKING WATER: NC _____ SOLID WASTE: NC _____ OTHER: NC _____
SC _____ SC _____ SC _____ SC _____ SC _____
OTHER _____ OTHER _____ OTHER _____ OTHER _____ OTHER _____

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

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CHAIN OF CUSTODY RECORD

PAGE 5 OF 9 QUOTE #

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P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

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Client Patterson Exploration Services
Physical Address 1907 Boone Trail Road
Sanford, NC 27330
Phone 919-774-3770 Fax 919-774-3570
P.O.#/Billing Reference
Project Name NLTC Exploration

REPORT TO: Name Dwayne Phillips
Address P.O. Box 3008 Sanford NC
BILL TO: Name 27331
Address
Requested Due Date

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>4/10</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification
Requested NC ☒ SC ☐ Other ☐ NA ☐
Water Chlorinated Yes ☐ No ☒ NA ☐
Sample Iced Upon Collection Yes ☒ No ☐

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		9071	TPH6	TPH6						
W-5A, 11'	8/13/01	1210	Soil	G	1	402		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16178
W-5B, 15'		1215						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16179
W-6, 7'		1220						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16180
W-6A, 15'		1225						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16181
W-7, 7'		1230						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16182
W-7, 13'		1235						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16183
W-8, 7'		1238						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16184
W-8, 12'		1240						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16185
W-8, 18.5'		1242						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16186
TP-1		1245								<input checked="" type="checkbox"/>						16187

Sampler's Signature [Signature] Sampled By (Print Name) O.F. Patterson III Affiliation

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8/14/01</u> Military/Hours <u>16:10</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8/15/01</u> Military/Hours <u>1000</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8/15/01</u> Military/Hours <u>1000</u>
Method of Shipment		Log-In Group No. <u>108171189</u>

Additional Comments

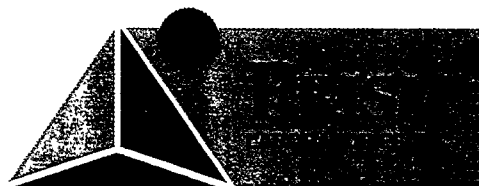
48 hour turn

NPDES NC ☐ UST: NC ☐ GROUNDWATER: NC ☐ DRINKING WATER: NC ☐ SOLID WASTE: NC ☐ OTHER: NC ☐
SC ☐ SC ☐ SC ☐ SC ☐ SC ☐ SC ☐
OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

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CHAIN OF CUSTODY RECORD

PAGE 6 OF 9 QUOTE #

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P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

PRESS DOWN FIRMLY - 3 COPIES

LAB USE ONLY		YES	NO	N/A
Samples INTACT upon arrival?		<input checked="" type="checkbox"/>		
Received ON WET ICE? Temp 41°		<input checked="" type="checkbox"/>		
PROPER PRESERVATIVES indicated?				<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?		<input checked="" type="checkbox"/>		
CUSTODY SEALS INTACT?				<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?		<input checked="" type="checkbox"/>		
PROPER CONTAINERS used?		<input checked="" type="checkbox"/>		

Client Patterson Exploration Services
Physical Address 1907 Boone Trail Road
Sanford, NC 27330
Phone 919-774-3770 Fax 919-774-3570
P.O.#/Billing Reference
Project Name MLC Excavation

REPORT TO: Name DWAYNE Phillips
Address P.O. Box 3008 Sanford, NC
BILL TO: Name 27331
Address
Requested Due Date

State Certification
Requested NC ☒ SC ☐ Other ☐ NA ☐
Water Chlorinated Yes ☐ No ☒ NA ☐
Sample Iced Upon Collection Yes ☒ No ☐

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		9071	TPH15	TPH10						
TP-2	8/13/01	1250	SOIL	G	1	402				<input checked="" type="checkbox"/>						16198
TP-3		1255								<input checked="" type="checkbox"/>						16199
LH-1		1300								<input checked="" type="checkbox"/>						16200
LH-2		1305								<input checked="" type="checkbox"/>						16201
LH-3		1310								<input checked="" type="checkbox"/>						16202
LH-4		1315								<input checked="" type="checkbox"/>						16203
B-2	8/10/01	1630						<input checked="" type="checkbox"/>								16204
B-3	8/10/01	1635						<input checked="" type="checkbox"/>								16205
B-4		1640						<input checked="" type="checkbox"/>								16206
B-5		1645						<input checked="" type="checkbox"/>								16207

Sampler's Signature [Signature] Sampled By (Print Name) O.F. Patterson III Affiliation

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8/14/01</u>	Military Hours <u>16:10</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8/15/01</u>	1000
Method of Shipment		Log-In Group No. <u>A0819189</u>	

Additional Comments

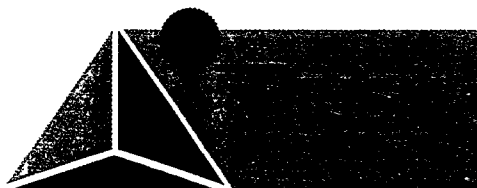
48 hour turn

NPDES NC ☐ UST: NC ☐ GROUNDWATER: NC ☐ DRINKING WATER: NC ☐ SOLID WASTE: NC ☐ OTHER: NC ☐
SC ☐ SC ☐ OTHER ☐ SC ☐ OTHER ☐ SC ☐ OTHER ☐

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

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PAGE 1 OF 1 QUOTE #

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Phone: 704/529-6364 ▲ Fax: 704/525-0409

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LAB USE ONLY		YES	NO	N/A
Samples INTACT upon arrival?		<input checked="" type="checkbox"/>		
Received ON WET ICE? Temp	41°	<input checked="" type="checkbox"/>		
PROPER PRESERVATIVES indicated?				<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?		<input checked="" type="checkbox"/>		
CUSTODY SEALS INTACT?				<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?		<input checked="" type="checkbox"/>		
PROPER CONTAINERS used?		<input checked="" type="checkbox"/>		

Client Patterson Exploration Services
Physical Address 1907 Boone Trail Road
Union, NC 27330
Phone 919-774-3770 Fax 919-774-3510
P.O.#/Billing Reference NITE Excavation
Project Name NITE Excavation

REPORT TO: Name Dwayne Phillips
Address P.O. Box 3058 / Jamboro, NC
BILL TO: Name 27331
Address _____
Requested Due Date _____

State Certification
Requested NC ☒ SC _____ Other _____ NA _____
Water Chlorinated Yes _____ No ☒ NA ☒
Sample Iced Upon Collection Yes ☒ No _____

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		9071	TPH	TPH2						
B-6	8/10/01	1655	Soil	B	1	402		<input checked="" type="checkbox"/>								16188
B-7		1658						<input checked="" type="checkbox"/>								16189
B-8		1700						<input checked="" type="checkbox"/>								16190
B-9		1705						<input checked="" type="checkbox"/>								16191
B-10		1710						<input checked="" type="checkbox"/>								16192
B-11		1712						<input checked="" type="checkbox"/>								16193
B-12		1715						<input checked="" type="checkbox"/>								16194
B-13		1720						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16195
B-14		1725						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16196
B-15		1730						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16197

Sampler's Signature _____ Sampled By (Print Name) O.F. Patterson III Affiliation _____

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8/14/01</u>	Military/Hours <u>16:10</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date _____	_____
Relinquished By: (Signature) _____	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8-15-01</u>	1000
Method of Shipment _____		Log-In Group No. <u>R0817H89</u>	

Additional Comments

48 hour turn

NPDES NC _____ UST: NC _____ GROUNDWATER: NC _____ DRINKING WATER: NC _____ SOLID WASTE: NC _____ OTHER: NC _____
SC _____ SC _____ SC _____ SC _____ SC _____ SC _____
OTHER _____ OTHER _____ OTHER _____ OTHER _____

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

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PAGE 8 OF 9 QUOTE

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LAB USE ONLY			
	Y	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>41°</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Client Patterson Exploration Services
Physical Address 1407 Boone Trail Road
Sanford, NC 27330
Phone 919-774-3770 Fax 919-774-3570
P.O.#/Billing Reference _____
Project Name NCE Excavation

REPORT TO: Name Dwaine Phillips
Address P.O. Box 3008 Sanford, NC
BILL TO: Name 27331
Address _____
Requested Due Date _____

State Certification
Requested NC ☒ SC ☐ Other ☐ NA ☐
Water Chlorinated Yes ☐ No ☒ NA ☐
Sample Iced Upon Collection Yes ☒ No ☐

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		9071	TPH	TPH	TPH	TPH	TPH			
B-16	8/10/01	1739	Soil	G	1	4 oz		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16208
B-17		1740						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16209
B-18		1745						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16210
B-19		1750						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16211
B-20		1755						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16212
B-21		1800						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16213
B-22		1805						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16214
SW-1		1015						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16215
SW-2		1020						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16216
SW-3		1025						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							16217

Sampler's Signature [Signature] Sampled By (Print Name) O.F. Patterson III Affiliation _____

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8/14/01</u>	Military/Hours <u>16:00</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date _____	
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8/15/01</u>	10:00
Method of Shipment _____		Log-In Group No. <u>10817H89</u>	

Additional Comments

48 hour turn

NPDES NC _____ UST: NC _____ GROUNDWATER: NC _____ DRINKING WATER: NC _____ SOLID WASTE: NC _____ OTHER: NC _____
SC _____ SC _____ SC _____ SC _____ SC _____ SC _____
OTHER _____ OTHER _____ OTHER _____ OTHER _____

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

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PAGE 7 OF 1 QUOTE #

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P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

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LAB USE ONLY		NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>		
Received ON WET ICE? Temp <u>4.1°</u>	<input checked="" type="checkbox"/>		
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>		
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>		
CUSTODY SEALS INTACT?	<input checked="" type="checkbox"/>		
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>		
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>		

Client Patterson Exploration Services
Physical Address 1107 Boone Profit Road
Sanford, NC 27330
Phone 919-774-3770 Fax 919-774-3570
P.O.#/Billing Reference NRTC Excavation
Project Name NRTC Excavation

REPORT TO: Name Darius Phillips
Address P.O. Box 3008 Sanford, NC
BILL TO: Name 28231
Address 28231
Requested Due Date _____

State Certification
Requested NC ☒ SC _____ Other _____ NA _____
Water Chlorinated Yes _____ No ☒ NA ☒
Sample Iced Upon Collection Yes ☒ No _____

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		9071	TDMS	TDMS						
SW-4	8/10/01	1030	Soil	G	1	402		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16218
SW-5		1035						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16219
SW-6		1040						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16220
SW-7		1045						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16221
SW-8		1050						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16222
SW-9		1055						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16223
SW-10		1100						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16224
SW-11		1105						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16225
SW-12		1110						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						16226

Sampler's Signature _____ Sampled By (Print Name) _____ Affiliation _____

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8/14/01</u>	Military/Hours <u>16:10</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) _____	Date _____	
Relinquished By: (Signature) _____	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8/15/01</u>	10:00
Method of Shipment _____		Log-In Group No. <u>AD817489</u>	

Additional Comments

48 hour turn

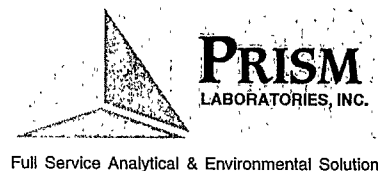
NPDES NC _____ UST: NC _____ GROUNDWATER: NC _____ DRINKING WATER: NC _____ SOLID WASTE: NC _____ OTHER: NC _____
SC _____ SC _____ SC _____ SC _____ SC _____ SC _____
OTHER _____ OTHER _____ OTHER _____ OTHER _____

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR
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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-1, 1
Prism Sample ID: AC18024
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 08:15
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	690	mg/kg	100	8015MOD/3550	9/5/01 04:44	GRR
OIL AND GREASE	2700	mg/kg	50	9071	9/4/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	91	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

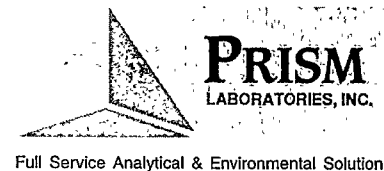
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-1, 3
Prism Sample ID: AC18025
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 08:15
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 05:25	GRR
OIL AND GREASE	100	mg/kg	50	9071	9/4/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

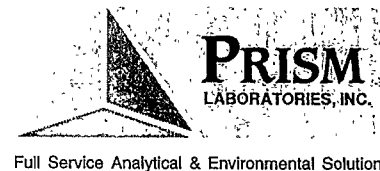
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-1, 6
Prism Sample ID: AC18026
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 08:30
Lab Submittal Date/Time: 8/30/01 15:30

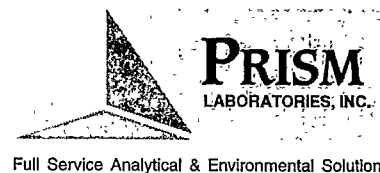
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 06:08	GRR
OIL AND GREASE	76	mg/kg	50	9071	9/4/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	84	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-1, 8
Prism Sample ID: AC18027
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 08:30
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 09:47	GRR
OIL AND GREASE	50	mg/kg	50	9071	9/4/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	88	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-2, 3
Prism Sample ID: AC18028
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 08:35
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 10:29	GRR
OIL AND GREASE	130	mg/kg	50	9071	9/4/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

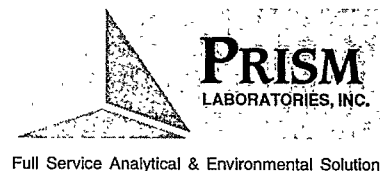
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-2, 7
Prism Sample ID: AC18029
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 08:40
Lab Submittal Date/Time: 8/30/01 15:30

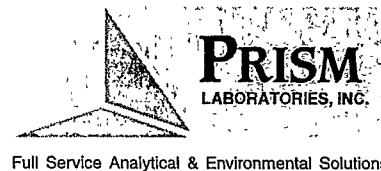
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 11:11	GRR
OIL AND GREASE	Less than	mg/kg	50	9071	9/4/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-2, 10
Prism Sample ID: AC18030
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 08:42
Lab Submittal Date/Time: 8/30/01 15:30

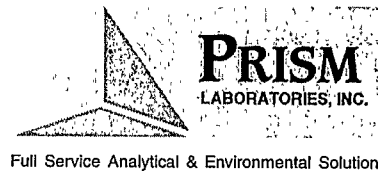
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 11:54	GRR
OIL AND GREASE	Less than	mg/kg	50	9071	9/4/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	91	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-1-3, 4

Prism Sample ID: AC18031

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 08:45

Lab Submittal Date/Time: 8/30/01 15:30

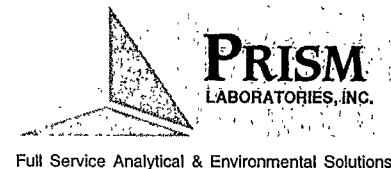
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 12:37	GRR
OIL AND GREASE	58	mg/kg	50	9071	9/4/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-3, 7
Prism Sample ID: AC18032
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 08:50
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 13:21	GRR
OIL AND GREASE	230	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-1-3, 16

Prism Sample ID: AC18033

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 08:55

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 14:03	GRR
OIL AND GREASE	250	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	92	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



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9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-1-4, 3

Prism Sample ID: AC18034

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 09:01

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 14:45	GRR
OIL AND GREASE	220	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "A. Overcash", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-4, 7.5
Prism Sample ID: AC18035
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 09:04
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 15:27	GRR
OIL AND GREASE	490	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-4, 16
Prism Sample ID: AC18036
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 09:20
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 16:08	GRR
OIL AND GREASE	330	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	81	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-5, 4
Prism Sample ID: AC18037
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 09:40
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 16:50	GRR
OIL AND GREASE	320	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-1-5, 8

Prism Sample ID: AC18038

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 09:50

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 17:32	GRR
OIL AND GREASE	290	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

Sample Comments:

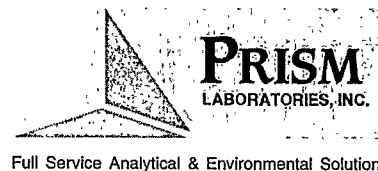
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-1-5, 19

Prism Sample ID: AC18039

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 10:00

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/5/01 18:13	GRR
OIL AND GREASE	210	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/4/01 19:00	JLW

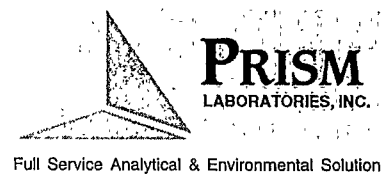
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-6, 6
Prism Sample ID: AC18040
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 10:08
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/10/01 08:34	GRR
OIL AND GREASE	230	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

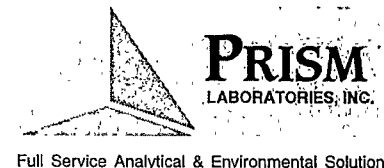
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-1-6, 18
Prism Sample ID: AC18041
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 10:20
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 00:30	GRR
OIL AND GREASE	180	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



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9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-2-1, 3

Prism Sample ID: AC18042

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 11:25

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 01:13	GRR
OIL AND GREASE	110	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

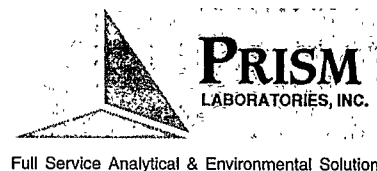
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-2-1, 6
Prism Sample ID: AC18043
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 11:30
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/10/01 09:16	GRR
OIL AND GREASE	310	mg/kg	50	9071	9/4/01 17:30	GRR
CALCULATIONS BASED ON DRY WT.	84	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-2-1, 1

Prism Sample ID: AC18044

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 11:30

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

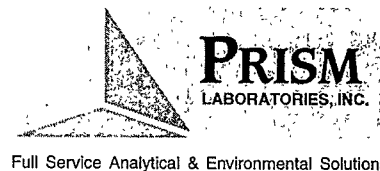
TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	32	mg/kg	10	8015MOD/3550	9/6/01 11:05	GRR
OIL AND GREASE	590	mg/kg	50	9071	9/5/01 11:15	GRR
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/5/01 20:30	JLW

Sample Comments:

Analysis note for DRO: The chromatographic peak pattern may represent that of a waste oil, rather than #2 fuel oil.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-2-1, 12
Prism Sample ID: AC18045
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 11:40
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/6/01 15:59	GRR
OIL AND GREASE	Less than	mg/kg	50	9071	9/5/01 11:15	GRR
CALCULATIONS BASED ON DRY WT.	88	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/5/01 20:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-2-2, 4
Prism Sample ID: AC18046
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 11:50
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/6/01 16:41	GRR
OIL AND GREASE	Less than	mg/kg	50	9071	9/5/01 11:15	GRR
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/5/01 20:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-2-2, 10

Prism Sample ID: AC18047

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 11:55

Lab Submittal Date/Time: 8/30/01 15:30

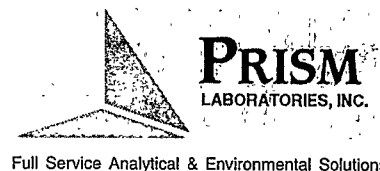
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/6/01 17:23	GRR
OIL AND GREASE	67	mg/kg	50	9071	9/5/01 11:15	GRR
CALCULATIONS BASED ON DRY WT.	86	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/5/01 20:30	JLW

Sample Comments:

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-2-3, 4
Prism Sample ID: AC18048
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 11:58
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/6/01 18:05	GRR
OIL AND GREASE	89	mg/kg	50	9071	9/5/01 11:15	GRR
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/5/01 20:30	JLW

Sample Comments:

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-2-3, 6
Prism Sample ID: AC18049
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 12:05
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/6/01 18:48	GRR
OIL AND GREASE	81	mg/kg	50	9071	9/5/01 11:15	GRR
CALCULATIONS BASED ON DRY WT.	92	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/5/01 20:30	JLW

Sample Comments:

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9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-2-4, 3

Prism Sample ID: AC18050

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 12:06

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 02:36	GRR
OIL AND GREASE	Less than	mg/kg	50	9071	9/5/01 11:15	GRR
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

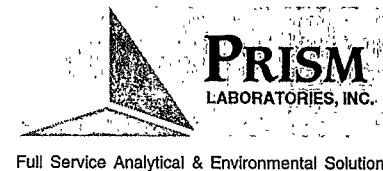
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-2-4, 6
Prism Sample ID: AC18051
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 12:10
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 03:17	GRR
OIL AND GREASE	57	mg/kg	50	9071	9/5/01 11:15	GRR
CALCULATIONS BASED ON DRY WT.	86	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

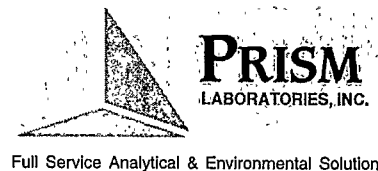
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-2-5, 4
Prism Sample ID: AC18052
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 12:20
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

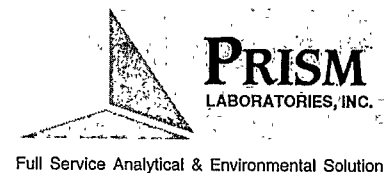
TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	15	mg/kg	10	8015MOD/3550	9/10/01 09:57	GRR
OIL AND GREASE	250	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	84	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Analysis note for DRO : The chromatographic peak pattern may represent that of a waste oil, rather than #2 fuel oil.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-2-6, 3.5

Prism Sample ID: AC18053

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 12:28

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 04:41	GRR
OIL AND GREASE	110	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	81	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

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Lab Report



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9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-2-6, 7

Prism Sample ID: AC18054

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 12:30

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 05:24	GRR
OIL AND GREASE	100	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

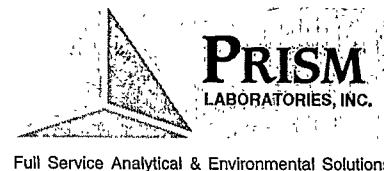
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-2-6, 16
Prism Sample ID: AC18055
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 12:40
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 06:05	GRR
OIL AND GREASE	120	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	81	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-3-1, 3

Prism Sample ID: AC18056

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 13:45

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 06:47	GRR
OIL AND GREASE	260	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	83	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-3-2, 3

Prism Sample ID: AC18057

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 13:46

Lab Submittal Date/Time: 8/30/01 15:30

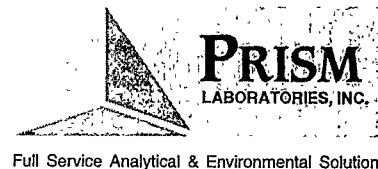
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 09:34	GRR
OIL AND GREASE	430	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-3-1, 6
Prism Sample ID: AC18058
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 13:50
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 10:16	GRR
OIL AND GREASE	120	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to be "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: **NLTC-080201**
Customer Sample ID: **T-3-2, 6**
Prism Sample ID: **AC18059**
Login Group: **AO910H61**
Sample Collection Date/Time: **8/29/01 13:52**
Lab Submittal Date/Time: **8/30/01 15:30**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/10/01 10:38	GRR
OIL AND GREASE	130	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	81	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

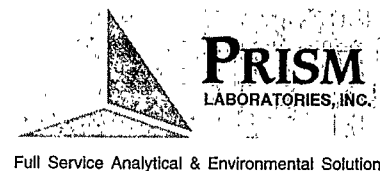
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-3-1, 12
Prism Sample ID: AC18060
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 13:57
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/10/01 11:20	GRR
OIL AND GREASE	160	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

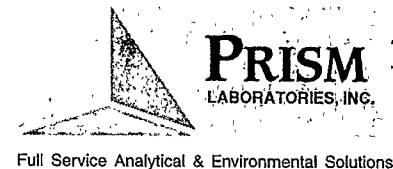
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-3-2, 12

Prism Sample ID: AC18061

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 14:09

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 12:24	GRR
OIL AND GREASE	140	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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9/14/01

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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: **NLTC-080201**

Customer Sample ID: **T-3-2, 18**

Prism Sample ID: **AC18062**

Login Group: **AO910H61**

Sample Collection Date/Time: **8/29/01 14:08**

Lab Submittal Date/Time: **8/30/01 15:30**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 13:07	GRR
OIL AND GREASE	200	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	85	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-3-3, 3
Prism Sample ID: AC18064
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 14:15
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 14:31	GRR
OIL AND GREASE	130	mg/kg	50	9071	9/5/01 17:45	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-3-3, 6
Prism Sample ID: AC18065
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 14:17
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 15:14	GRR
OIL AND GREASE	190	mg/kg	50	9071	9/6/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-3-3, 21
Prism Sample ID: AC18066
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 14:30
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 22:14	GRR
OIL AND GREASE	230	mg/kg	50	9071	9/6/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	72	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 14:30	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-3-5, 3

Prism Sample ID: AC18067

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 14:50

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 22:55	GRR
OIL AND GREASE	170	mg/kg	50	9071	9/6/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 14:30	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201

Customer Sample ID: T-3-4, 3

Prism Sample ID: AC18068

Login Group: AO910H61

Sample Collection Date/Time: 8/29/01 14:55

Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/7/01 23:37	GRR
OIL AND GREASE	77	mg/kg	50	9071	9/6/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 14:30	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-3-5, 6
Prism Sample ID: AC18069
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 14:59
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/8/01 00:18	GRR
OIL AND GREASE	120	mg/kg	50	9071	9/6/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 14:30	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-3-4, 6
Prism Sample ID: AC18071
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 15:10
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/8/01 01:41	GRR
OIL AND GREASE	140	mg/kg	50	9071	9/6/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 14:30	JMV

Sample Comments:

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-3-4, 19
Prism Sample ID: AC18072
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 15:18
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/8/01 02:23	GRR
OIL AND GREASE	Less than	mg/kg	50	9071	9/6/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	84	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 14:30	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Russ Patterson
PO Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-4-1, 6
Prism Sample ID: AC18073
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 15:30
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 10:03	GRR
OIL AND GREASE	82	mg/kg	50	9071	9/6/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 14:30	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-4-1, 14
Prism Sample ID: AC18074
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 15:45
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/8/01 03:45	GRR
OIL AND GREASE	220	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 14:30	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: **NLTC-080201**

Customer Sample ID: **T-4-2, 3**

Prism Sample ID: **AC18075**

Login Group: **AO910H61**

Sample Collection Date/Time: **8/29/01 15:50**

Lab Submittal Date/Time: **8/30/01 15:30**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/8/01 04:26	GRR
OIL AND GREASE	240	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 14:30	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: **NLTC-080201**
Customer Sample ID: **T-4-2, 6**
Prism Sample ID: **AC18076**
Login Group: **AO910H61**
Sample Collection Date/Time: **8/29/01 15:55**
Lab Submittal Date/Time: **8/30/01 15:30**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/8/01 05:08	GRR
OIL AND GREASE	250	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 14:30	JMV

Sample Comments:

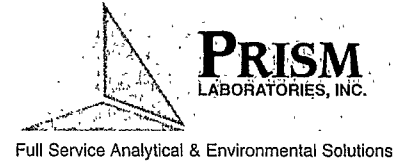
A handwritten signature in black ink, appearing to read "A. Overcash", is written over a horizontal line.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



9/14/01

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Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: **NLTC-080201**
Customer Sample ID: **T-4-2, 15**
Prism Sample ID: **AC18077**
Login Group: **AO910H61**
Sample Collection Date/Time: **8/29/01 15:59**
Lab Submittal Date/Time: **8/30/01 15:30**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/8/01 05:49	GRR
OIL AND GREASE	180	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 15:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-4-3, 3
Prism Sample ID: AC18078
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 16:05
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/8/01 06:30	GRR
OIL AND GREASE	190	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	9/4/01 15:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 15:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-4-3, 6
Prism Sample ID: AC18079
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 16:08
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 08:40	GRR
OIL AND GREASE	190	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	9/5/01 17:40	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 15:00	JMV

Sample Comments:

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Lab Report



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Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-4-1, 3
Prism Sample ID: AC18080
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 15:25
Lab Submittal Date/Time: 8/30/01 15:30

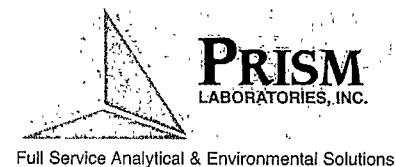
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 09:21	GRR
OIL AND GREASE	170	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	9/5/01 17:40	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 15:00	JMV

Sample Comments:

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Lab Report



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Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-4-3, 15
Prism Sample ID: AC18081
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 16:15
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/8/01 01:00	GRR
OIL AND GREASE	190	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	9/5/01 17:40	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 15:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-4-4, 1
Prism Sample ID: AC18082
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 16:20
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	1100	mg/kg	200	8015MOD/3550	9/13/01 08:38	GRR
OIL AND GREASE	1100	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	90	% DRY WT.	0.01	SM 2540 G	9/5/01 17:40	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-4-4, 3
Prism Sample ID: AC18083
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 16:22
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 13:40	GRR
OIL AND GREASE	290	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	9/5/01 17:40	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/14/01

Page 59 of 59

Patterson Exploration Services
Russ Patterson
Po Box 3008
Sanford, NC 27330

Customer Project ID: NLTC-080201
Customer Sample ID: T-4-4, 6
Prism Sample ID: AC18084
Login Group: AO910H61
Sample Collection Date/Time: 8/29/01 16:25
Lab Submittal Date/Time: 8/30/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 14:23	GRR
OIL AND GREASE	220	mg/kg	50	9071	9/6/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	9/5/01 17:40	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services



Full Service Analytical & Environmental Solutions

Client: PATTERSON EXPLORATION (PXS)
Physical Address: 1907 POORE TRAIL RD
SANFORD NC 27340
Phone: 919-714-3770 Fax: 919-714-3510
P.O.#/Billing Reference: NELC-080201
Project Name: NELC-080201

CHAIN OF CUSTODY RECORD

PAGE 1 OF 6 QUOTE # _____

449 Springbrook Road ▲ Charlotte, NC 28217

P.O. Box 240543 ▲ Charlotte, NC 28224-0543

Phone: 704/529-6364 ▲ Fax: 704/525-0409

REPORT TO: Name RUSS PATTERSON, CHAIRMAN

Address 70-BOLE RD, SANFORD

BILL TO: Name SAME

Address _____

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days

☐ 6-9 Days ☐ Standard 10 days

Samples received after 15:00 will be processed the next business day.

Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification
Requested FL _____ NC ☒ SC _____ Other _____ NA _____

Water Chlorinated Yes _____ No _____ NA _____

Sample Iced Upon Collection Yes _____ No _____

CMUD _____ NPDES _____ OTHER _____

PRESS DOWN FIRMLY - 3 COPIES

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED								REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		TPAD	AOI									
T-1-1, 1'	8-29	0815	SOIL	C		80Z	NA										18024	
T-1-1, 3'		0815															18025	
T-1-1, 6'		0830															18026	
T-1-1, 8'		0830															18027	
T-1-2, 3'		0835															18028	
T-1-2, 7'		0840															18029	
T-1-2, 10'		0842															18030	
T-1-3, 4'		0845															18031	
T-1-3, 7'	Y	0850		✓		✓	✓	✓	✓								18032	
T-1-3, 10'		0855	✓	✓		✓	✓	✓	✓								18033	

Sampler's Signature [Signature] Sampled By (Print Name) O.F. PATTERSON, III Affiliation PXS Research Labs

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8-30-01</u>	Military/Hours <u>12:38</u>	Additional Comments: <u>6 pages of</u> <u>chains -</u> <u>61 Samples</u>	PRISM USE ONLY Site Arrival Time: _____ Site Departure Time: _____ Field Tech Fee: _____ Mileage: _____
Relinquished By: (Signature) _____	Received By: (Signature) _____	Date _____	Military/Hours _____		
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8-30-01</u>	Military/Hours <u>1530</u>		
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Hand-delivered <input type="checkbox"/> Other: <u>FS</u>	Log-In Group No. <u>1A0910H61</u>				

NPDES: ☐ NC ☒ SC ☐ OTHER
GROUNDWATER: ☐ NC ☐ SC ☐ OTHER
DRINKING WATER: ☐ NC ☐ SC ☐ OTHER
SOLID WASTE: ☐ NC ☐ SC ☐ OTHER
RCRA: ☐ NC ☐ SC ☐ OTHER
CERCLA: ☐ NC ☐ SC ☐ OTHER
LANDFILL: ☐ NC ☐ SC ☐ OTHER
OTHER: ☐ NC ☐ SC ☐ OTHER

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FINAL REPORT COPY

SEE REVERSE FOR
TERMS & CONDITIONS



Client: PATTERSON EXPLORATION (PXS)
Physical Address: 1907 BROWN TRAIL RD
SANFORD NC 27340
Phone: _____ Fax: _____
P.O.#/Billing Reference: _____
Project Name: _____

CHAIN OF CUSTODY RECORD

PAGE 1 OF 6 QUOTE # _____

449 Springbrook Road ▲ Charlotte, NC 28217

P.O. Box 240543 ▲ Charlotte, NC 28224-0543

Phone: 704/529-6364 ▲ Fax: 704/525-0409

REPORT TO: Name RUSS PATTERSON

Address P.O. BOX 240543, SANFORD NC

BILL TO: Name PXS SAME

Address _____

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days

☐ 6-9 Days ☐ Standard 10 days

Samples received after 15:00 will be processed the next business day.

Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>00</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification X

Requested FL _____ NC _____ SC _____ Other _____ NA _____

Water Chlorinated Yes _____ No _____ NA _____

Sample Iced Upon Collection Yes _____ No _____

CMUD _____ NPDES _____ OTHER _____

PRESS DOWN FIRMLY - 3 COPIES

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED							REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE											
T-1-4, 3'	8-29	0901	SOIL	C		802	NA										18034
T-1-4, 75'	8-29	0904															18035
T-1-4, 16'		0920															18036
T-1-5, 4'		0940															18037
T-1-5, 8'		0950															18038
T-1-5, 19'		0900															18039
T-1-6, 6'		1006															18040
T-1-6, 18'		1020															18041
T-2-1, 3'		1125															18042
T-2-7, 6'		1130															18043

Sampler's Signature [Signature]

Sampled By (Print Name) OF PATTERSON III

Affiliation PXS

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8-30-01</u>	Military/Hours <u>12:30</u>
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8-30-01</u>	Military/Hours <u>1530</u>
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Hand-delivered <input type="checkbox"/> Other: <u>FS</u>		Log-In Group No. <u>A0410461</u>	

Additional Comments:

PRISM USE ONLY

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

NPDES: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
UST: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
GROUNDWATER: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
DRINKING WATER: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
SOLID WASTE: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
RCRA: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
CERCLA: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
LANDFILL: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
OTHER: ☐ NC ☐ SC ☐ OTHER ☐ OTHER

**SEE REVERSE FOR
TERMS & CONDITIONS**

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FINAL REPORT COPY



CHAIN OF CUSTODY RECORD

PAGE 3 OF 6 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

LAB USE ONLY			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Client PATTERSON EXPLORATION (FXS)
Physical Address _____
Phone _____ Fax _____
P.O.#/Billing Reference NITE - 80201
Project Name _____

REPORT TO: Name _____
Address _____
BILL TO: Name _____
Address _____

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
☐ 6-9 Days ☐ Standard 10 days

Samples received after 15:00 will be processed the next business day.
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

State Certification
Requested FL ☒ NC ☐ SC ☐ Other ☐ NA ☐
Water Chlorinated Yes ☐ No ☐ NA ☐
Sample Iced Upon Collection Yes ☐ No ☐
CMUD ☐ NPDES ☐ OTHER ☐

PRESS DOWN FIRMLY - 3 COPIES

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED								REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE												
T-2-1, 1'	8-29	11:30	Soil	C		802												18044
T-2-1, 12'		1140																18045
T-2-2, 4'		1150																18046
T-2-2, 10'		1155																18047
T-2-3, 4'		1158																18048
T-2-3, 6'		1205																18049
T-2-4, 3'		1206																18050
T-2-4, 6'		1210																18051
T-2-5, 4'		1220																18052
T-2-6, 3.5'		1228																18053

Sampler's Signature [Signature] Sampled By (Print Name) C.F. PATTERSON, III Affiliation FXS

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8-30-01</u>	Military/Hours <u>12:38</u>
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8-30-01</u>	1530
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Hand-delivered <input type="checkbox"/> Other: <u>FS</u>		Log-In Group No. <u>A0910461</u>	

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage

NPDES: ☒ NC ☐ SC ☐ OTHER
UST: ☒ NC ☐ SC ☐ OTHER
GROUNDWATER: ☐ NC ☐ SC ☐ OTHER
DRINKING WATER: ☐ NC ☐ SC ☐ OTHER
SOLID WASTE: ☐ NC ☐ SC ☐ OTHER
RCRA: ☐ NC ☐ SC ☐ OTHER
CERCLA: ☐ NC ☐ SC ☐ OTHER
LANDFILL: ☐ NC ☐ SC ☐ OTHER
OTHER: ☐ NC ☐ SC ☐ OTHER

SEE REVERSE FOR
TERMS & CONDITIONS

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FINAL REPORT COPY



Full Service Analytical & Environmental Solutions

Client PATTERSON EXPLORATION (PXS)
Physical Address _____
Phone _____ Fax _____
P.O.#/Billing Reference _____
Project Name _____

CHAIN OF CUSTODY RECORD

PAGE 4 OF 6 QUOTE # _____

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

REPORT TO: Name _____
Address _____
BILL TO: Name _____
Address _____

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
☐ 6-9 Days ☐ Standard 10 days

Samples received after 15:00 will be processed the next business day.
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>0°</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/O HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification A
Requested FL _____ NC _____ SC _____ Other _____ NA _____
Water Chlorinated Yes _____ No _____ NA _____
Sample Iced Upon Collection Yes _____ No _____
CMUD _____ NPDES _____ OTHER _____

PRESS DOWN FIRMLY - 3 COPIES

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED								REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE												
T-2-6, 71	8-09	1230	SOIL	C		802		9571	TPH-D								18054	
T-2-6, 16'		1240															18055	
T-3-1, 3'		1345															18056	
T-3-2, 3'		1346															18057	
T-3-1, 6'		1350															18058	
T-3-2, 6'		1352															18059	
T-3-1, 12'		1354															18060	
T-3-2, 12'		1405															18061	
T-3-2, 18'		1408															18062	
T-3-3, 3'		1212															18063	

Sampler's Signature [Signature] Sampled By (Print Name) D.F. PATTERSON Affiliation PXS

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>8-30-01</u>	Military/Hours <u>1530</u>
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8-30-01</u>	1530
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Hand-delivered <input type="checkbox"/> Other: <u>FS</u>		Log-In Group No. <u>A0910461</u>	

Additional Comments:

PRISM USE ONLY

Site Arrival Time: _____
Site Departure Time: _____
Field Tech Fee: _____
Mileage: _____

NPDES: ☐ NC ☐ SC ☐ OTHER ☒ NC
UST: ☐ NC ☐ SC ☐ OTHER ☒ NC
GROUNDWATER: ☐ NC ☐ SC ☐ OTHER ☒ NC
DRINKING WATER: ☐ NC ☐ SC ☐ OTHER ☒ NC
SOLID WASTE: ☐ NC ☐ SC ☐ OTHER ☒ NC
RCRA: ☐ NC ☐ SC ☐ OTHER ☒ NC
CERCLA: ☐ NC ☐ SC ☐ OTHER ☒ NC
LANDFILL: ☐ NC ☐ SC ☐ OTHER ☒ NC
OTHER: ☐ NC ☐ SC ☐ OTHER ☒ NC

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FINAL REPORT COPY

**SEE REVERSE FOR
TERMS & CONDITIONS**



Client WATERBURY Exploration Sols (PKS)
Physical Address _____
Phone _____ Fax _____
P.O.#/Billing Reference _____
Project Name _____

CHAIN OF CUSTODY RECORD

PAGE 5 OF 6 QUOTE # _____

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

REPORT TO: Name _____
Address _____
BILL TO: Name _____
Address _____

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
☐ 6-9 Days ☐ Standard 10 days

Samples received after 15:00 will be processed the next business day.
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON-WET ICE? Temp <u>0°</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification Requested FL ☒ NC ☐ SC ☐ Other ☐ NA ☐
Water Chlorinated Yes ☐ No ☐ NA ☐
Sample Iced Upon Collection Yes ☐ No ☐
CMUD ☐ NPDES ☐ OTHER ☐

PRESS DOWN FIRMLY - 3 COPIES

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED								REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE												
T-3-3, 3'	8-29	1415	SOIL	C		8oz		AC71	TPH0								18064	
T-3-3, 6'		1417															18065	
T-3-3, 21'		1430															18066	
T-3-5, 3'		1450															18067	
T-3-4, 3'		1455															18068	
T-3-5, 6'		1459															18069	
T-3-5, 6'		1501															18070	
T-3-4, 6'		1510				4oz											18071	
T-3-4, 19'		1518		VIA		4oz											18072	
T-4-1, 6'		1530		CR		4oz											18073	

Sampler's Signature _____

Sampled By (Print Name) O.F. PATTERSON III

Affiliation PKS

Relinquished By: (Signature) _____

Received By: (Signature) _____

Date 8-30-01

Military/Hours 12:38

Additional Comments:

Relinquished By: (Signature) _____

Received By: (Signature) _____

Date _____

Military/Hours _____

Relinquished By: (Signature) _____

Received For Prism Laboratories By: _____

Date 8-30-01

Military/Hours 1530

Method of Shipment:

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Other: FS

Log-In Group No. A0910H61

NPDES:

☐ NC

☐ SC

☐ OTHER

UST:

☒ NC

☐ SC

☐ OTHER

GROUNDWATER:

☐ NC

☐ SC

☐ OTHER

DRINKING WATER:

☐ NC

☐ SC

☐ OTHER

SOLID WASTE:

☐ NC

☐ SC

☐ OTHER

RCRA:

☐ NC

☐ SC

☐ OTHER

CERCLA:

☐ NC

☐ SC

☐ OTHER

LANDFILL:

☐ NC

☐ SC

☐ OTHER

OTHER:

☐ NC

☐ SC

☐ OTHER

PRISM USE ONLY

Site Arrival Time: _____

Site Departure Time: _____

Field Tech Fee: _____

Mileage: _____

**SEE REVERSE FOR
TERMS & CONDITIONS**

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FINAL REPORT COPY



Client FAIRPERSON Exploration (PKS)
Physical Address _____
Phone _____ Fax _____
P.O.#/Billing Reference _____
Project Name _____

CHAIN OF CUSTODY RECORD

PAGE 6 OF 6 QUOTE # _____

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

REPORT TO: Name _____

Address _____

BILL TO: Name _____

Address _____

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days

☐ 6-9 Days ☐ Standard 10 days

Samples received after 15:00 will be processed the next business day.
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>0°</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification

Requested FL ☒ NC ☒ SC ☐ Other ☐ NA ☐

Water Chlorinated Yes ☒ No ☐ NA ☐

Sample Iced Upon Collection Yes ☐ No ☒

CMUD ☐ NPDES ☐ OTHER ☐

PRESS DOWN FIRMLY - 3 COPIES

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED								REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		1910	9071									
T-4-1, 14'	8-24	1545	SOIL	A		402	HA										18074	
T-4-2, 3'		1550															18075	
T-4-2, 6'		1555															18076	
T-4-2, 15'		1559															18077	
T-4-3, 3'		1605															18078	
T-4-3, 6'		1608															18079	
T-4-3, 15'		1525															18080	
T-4-3, 15'		1615															18081	
T-4-4, 1'		1620															18082	
T-4-4, 3'		1622															18083	
T-4-4, 6'		1625															18084	

Sampler's Signature [Signature]

Sampled By (Print Name) OF. PATTERSON, III

Affiliation PKS

Relinquished By: (Signature) [Signature]

Received By: (Signature) [Signature]

Date 8-30-01 Military/Hours 12:38

Additional Comments: 11 Samples on this Chain

Relinquished By: (Signature) [Signature]

Received By: (Signature) [Signature]

Date _____ Military/Hours _____

Relinquished By: (Signature) [Signature]

Received For Prism Laboratories By: [Signature]

Date 8-30-01 Military/Hours 3 1530

Method of Shipment:

☒ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Other: to

Log-In Group No. AD010H61

NPDES:

☐ NC

☐ SC

☐ OTHER

UST:

☒ NC

☐ SC

☐ OTHER

GROUNDWATER:

☐ NC

☐ SC

☐ OTHER

DRINKING WATER:

☐ NC

☐ SC

☐ OTHER

SOLID WASTE:

☐ NC

☐ SC

☐ OTHER

RCRA:

☐ NC

☐ SC

☐ OTHER

CERCLA:

☐ NC

☐ SC

☐ OTHER

LANDFILL:

☐ NC

☐ SC

☐ OTHER

OTHER:

☐ NC

☐ SC

☐ OTHER

PRISM USE ONLY

Site Arrival Time: _____

Site Departure Time: _____

Field Tech Fee: _____

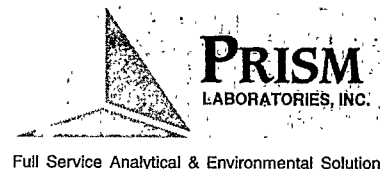
Mileage _____

**SEE REVERSE FOR
TERMS & CONDITIONS**

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FINAL REPORT COPY

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-4-4@19

Prism Sample ID: AC18278

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 08:21

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 15:06	GRR
OIL AND GREASE	Less than	mg/kg	50	9071	9/10/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-4-5@1
Prism Sample ID: AC18279
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 08:23
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	600	mg/kg	100	8015MOD/3550	9/13/01 07:55	GRR
OIL AND GREASE	8400	mg/kg	50	9071	9/10/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	91	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-4-5@3
Prism Sample ID: AC18280
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 08:25
Lab Submittal Date/Time: 8/31/01 19:00

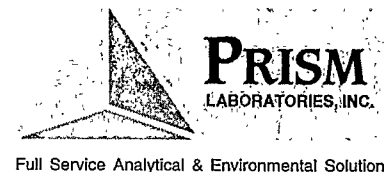
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	37	mg/kg	10	8015MOD/3550	9/13/01 03:46	GRR
OIL AND GREASE	210	mg/kg	50	9071	9/10/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-4-5@6
Prism Sample ID: AC18281
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 08:29
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 15:49	GRR
OIL AND GREASE	1100	mg/kg	50	9071	9/10/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	73	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

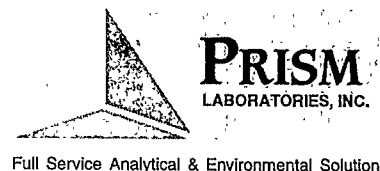
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-4-5@20
Prism Sample ID: AC18282
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 08:45
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 16:31	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

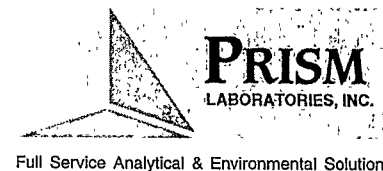
Method 9071 not performed due to all sample being used for DRO analysis.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-4-6@3
Prism Sample ID: AC18283
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 08:48
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 17:12	GRR
OIL AND GREASE	86	mg/kg	50	9071	9/10/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-4-6@6

Prism Sample ID: AC18284

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 08:51

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 19:16	GRR
OIL AND GREASE	340	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	67	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

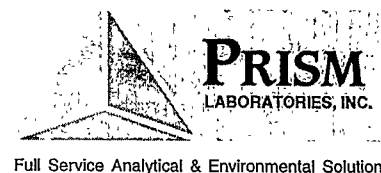
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-4-6@19

Prism Sample ID: AC18285

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 09:00

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 20:01	GRR
OIL AND GREASE	210	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

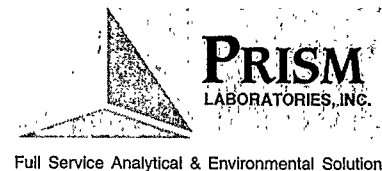
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-5-1@1

Prism Sample ID: AC18286

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 10:03

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	39	mg/kg	10	8015MOD/3550	9/13/01 03:03	GRR
OIL AND GREASE	130	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	92	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

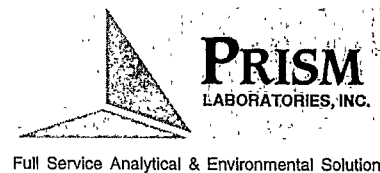
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-5-1@3
Prism Sample ID: AC18287
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 10:05
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 20:43	GRR
OIL AND GREASE	290	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



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9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-5-1@6

Prism Sample ID: AC18288

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 10:08

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 21:24	GRR
OIL AND GREASE	290	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

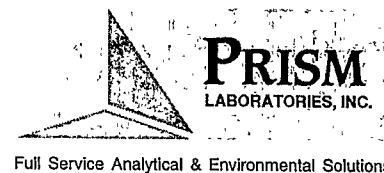
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-5-1@12

Prism Sample ID: AC18289

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 10:13

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 22:07	GRR
OIL AND GREASE	240	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	86	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-5-2@2.5
Prism Sample ID: AC18290
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 10:16
Lab Submittal Date/Time: 8/31/01 19:00

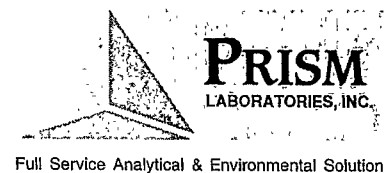
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	23000	mg/kg	2000	8015MOD/3550	9/13/01 09:19	GRR
OIL AND GREASE	24000	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	85	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-5-2@6
Prism Sample ID: AC18291
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 10:22
Lab Submittal Date/Time: 8/31/01 19:00

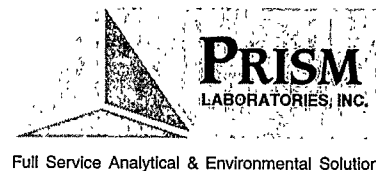
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 22:50	GRR
OIL AND GREASE	180	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	91	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-5-2@12
Prism Sample ID: AC18292
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 10:26
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 23:31	GRR
OIL AND GREASE	310	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	84	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

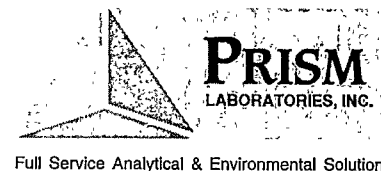
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-5-2@18
Prism Sample ID: AC18293
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 10:31
Lab Submittal Date/Time: 8/31/01 19:00

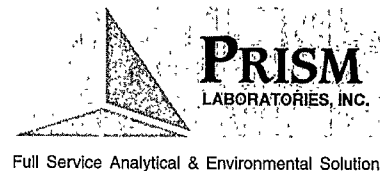
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/13/01 00:12	GRR
OIL AND GREASE	250	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-5-3@3
Prism Sample ID: AC18294
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 10:35
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/13/01 00:55	GRR
OIL AND GREASE	130	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	83	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 19:30	JLW

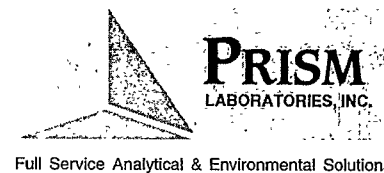
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
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Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-5-3@6

Prism Sample ID: AC18295

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 10:37

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 10:46	GRR
OIL AND GREASE	190	mg/kg	50	9071	9/10/01 16:45	GRR
CALCULATIONS BASED ON DRY WT.	83	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

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Lab Report



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9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-5-3@11

Prism Sample ID: AC18296

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 10:42

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 11:28	GRR
OIL AND GREASE	120	mg/kg	50	9071	9/11/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	87	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to be "R" followed by a stylized flourish.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-5-4@3
Prism Sample ID: AC18297
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 10:45
Lab Submittal Date/Time: 8/31/01 19:00

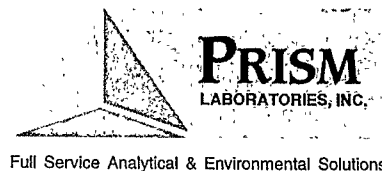
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/10/01 21:29	GRR
OIL AND GREASE	120	mg/kg	50	9071	9/11/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	67	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

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Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-5-4@6
Prism Sample ID: AC18298
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 10:47
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/10/01 22:11	GRR
OIL AND GREASE	150	mg/kg	50	9071	9/11/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	68	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

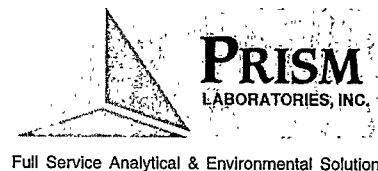
Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-5-4@11

Prism Sample ID: AC18299

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 10:51

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/10/01 22:52	GRR
OIL AND GREASE	78	mg/kg	50	9071	9/11/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	83	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-5-5@3

Prism Sample ID: AC18300

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 10:55

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/10/01 23:34	GRR
OIL AND GREASE	150	mg/kg	50	9071	9/11/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	83	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

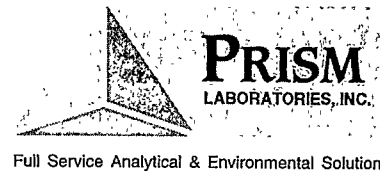
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

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Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-5-5@6

Prism Sample ID: AC18301

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 10:59

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 00:17	GRR
OIL AND GREASE	56	mg/kg	50	9071	9/11/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	88	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

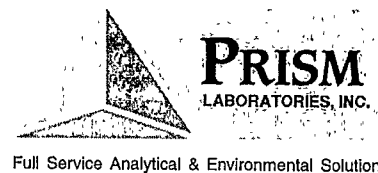
Sample Comments:

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Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-5-5@12
Prism Sample ID: AC18302
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 11:06
Lab Submittal Date/Time: 8/31/01 19:00

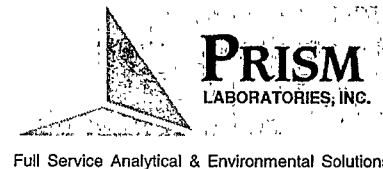
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 00:58	GRR
OIL AND GREASE	74	mg/kg	50	9071	9/11/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-5-6@3
Prism Sample ID: AC18303
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 11:09
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 01:40	GRR
OIL AND GREASE	65	mg/kg	50	9071	9/11/01 11:00	GRR
CALCULATIONS BASED ON DRY WT.	84	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

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Lab Report



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9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-5-6@6

Prism Sample ID: AC18304

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 11:14

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 02:22	GRR
OIL AND GREASE	93	mg/kg	50	9071	9/12/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

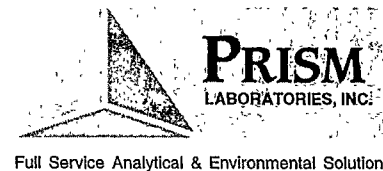
A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

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Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-1@1
Prism Sample ID: AC18305
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 12:58
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

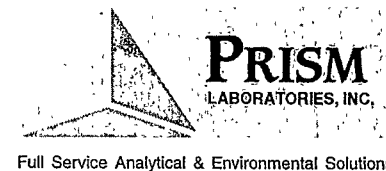
TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	17	mg/kg	10	8015MOD/3550	9/12/01 06:36	GRR
OIL AND GREASE	220	mg/kg	50	9071	9/12/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	83	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Analysis note for DRO : The chromatographic peak pattern may represent that of a waste oil rather than #2 fuel oil.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-6-1@3

Prism Sample ID: AC18306

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 13:00

Lab Submittal Date/Time: 8/31/01 19:00

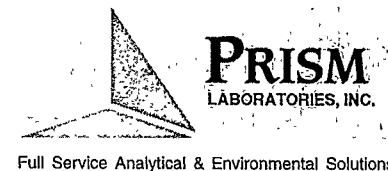
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 03:48	GRR
OIL AND GREASE	110	mg/kg	50	9071	9/12/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	90	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-1@6
Prism Sample ID: AC18307
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:03
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 04:29	GRR
OIL AND GREASE	7000	mg/kg	50	9071	9/12/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-1@12
Prism Sample ID: AC18308
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:09
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 05:11	GRR
BENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
BROMOBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
BROMOCHLOROMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
BROMODICHLOROMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
BROMOFORM	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
BROMOMETHANE	Not detected	ug/kg	14.0	8260B/5030	9/10/01 20:12	MP
N-BUTYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
SEC-BUTYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
TERT-BUTYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
CARBON TETRACHLORIDE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
CHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
CHLORODIBROMOMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
CHLOROETHANE	Not detected	ug/kg	14.0	8260B/5030	9/10/01 20:12	MP
CHLOROFORM	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
CHLOROMETHANE	Not detected	ug/kg	14.0	8260B/5030	9/10/01 20:12	MP
2-CHLOROTOLUENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
4-CHLOROTOLUENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/kg	14.0	8260B/5030	9/10/01 20:12	MP
1,2-DIBROMOETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
DIBROMOMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,2-DICHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,3-DICHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,4-DICHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,1-DICHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,2-DICHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,1-DICHLOROETHENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP

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Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-1@12
Prism Sample ID: AC18308
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:09
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DICHLOROPROPANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,3-DICHLOROPROPANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
2,2-DICHLOROPROPANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,1-DICHLOROPROPENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
ETHYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
HEXACHLOROBUTADIENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
ISOPROPYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
P-ISOPROPYLTOLUENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
METHYLENE CHLORIDE	Not detected	ug/kg	140.0	8260B/5030	9/10/01 20:12	MP
NAPHTHALENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
N-PROPYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
STYRENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
TETRACHLOROETHENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
TOLUENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,2,3-TRICHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
TRICHLOROETHENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
VINYL CHLORIDE	Not detected	ug/kg	14.0	8260B/5030	9/10/01 20:12	MP
TOTAL XYLENES	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
2-BUTANONE (MEK)	Not detected	ug/kg	70.0	8260B/5030	9/10/01 20:12	MP
2-CHLOROETHYL VINYL ETHER	Not detected	ug/kg	14.0	8260B/5030	9/10/01 20:12	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/kg	70.0	8260B/5030	9/10/01 20:12	MP

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-1@12
Prism Sample ID: AC18308
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:09
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
ACETONE	Not detected	ug/kg	140.0	8260B/5030	9/10/01 20:12	MP
CARBON DISULFIDE	Not detected	ug/kg	140.0	8260B/5030	9/10/01 20:12	MP
VINYL ACETATE	Not detected	ug/kg	70.0	8260B/5030	9/10/01 20:12	MP
CIS-1,3-DICHLOROPROPENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
2-HEXANONE	Not detected	ug/kg	70.0	8260B/5030	9/10/01 20:12	MP
IPE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
MTBE	Not detected	ug/kg	7.0	8260B/5030	9/10/01 20:12	MP
SURR:DIBROMOFLUOROMETHANE	96	%	70-130	8260B/5030	9/10/01 20:12	MP
SURR:TOLUENE-D8	102	%	70-130	8260B/5030	9/10/01 20:12	MP
SURR:BROMOFLUOROBENZENE	117	%	70-130	8260B/5030	9/10/01 20:12	MP

OIL AND GREASE	200	mg/kg	50	9071	9/12/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	71	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550B	9/5/01 15:00	JMV
ACENAPHTHENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
ACENAPHTHYLENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
ANTHRACENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
BENZO(A)ANTHRACENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
BENZO(B)FLUORANTHENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
BENZO(K)FLUORANTHENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
BENZO(A)PYRENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
BENZO(GHI)PERYLENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
BIS(2-CHLOROETHOXY)METHANE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
BIS(2-CHLOROETHYL)ETHER	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
4-BROMOPHENYL PHENYL ETHER	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
BUTYL BENZYL PHTHALATE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-1@12
Prism Sample ID: AC18308
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:09
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
4-CHLORO-3-METHYLPHENOL	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2-CHLORONAPHTHALENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2-CHLOROPHENOL	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
4-CHLOROPHENYL PHENYL ETHER	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
CHRYSENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
DIBENZO(A,H)ANTHRACENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
DIBENZOFURAN	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
DI-N-BUTYLPHTHALATE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
1,2-DICHLOROBENZENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
1,3-DICHLOROBENZENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
1,4-DICHLOROBENZENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2,4-DICHLOROPHENOL	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
DIETHYL PHTHALATE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2,4-DIMETHYLPHENOL	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
DIMETHYL PHTHALATE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2,4-DINITROPHENOL	Not detected	ug/kg	2400	SW846-8270C	9/10/01 23:52	HWC
2,4-DINITROTOLUENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2,6-DINITROTOLUENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
DI-N-OCTYLPHTHALATE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
FLUORANTHENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
FLUORENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
HEXACHLOROBENZENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
HEXACHLOROBUTADIENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
HEXACHLOROCYCLOPENTADIENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
HEXACHLOROETHANE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
INDENO(1,2,3-CD)PYRENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
ISOPHORONE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2-METHYL-4,6-DINITROPHENOL	Not detected	ug/kg	2400	SW846-8270C	9/10/01 23:52	HWC
2-METHYL NAPHTHALENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2-METHYL-PHENOL	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-1@12
Prism Sample ID: AC18308
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:09
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
4-METHYL-PHENOL	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
NAPHTHALENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
NITROBENZENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2-NITROPHENOL	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
4-NITROPHENOL	Not detected	ug/kg	2400	SW846-8270C	9/10/01 23:52	HWC
N-NITROSODIPHENYLAMINE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
N-NITROSODI-N-PROPYLAMINE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
PENTACHLOROPHENOL	Not detected	ug/kg	2400	SW846-8270C	9/10/01 23:52	HWC
PHENANTHRENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
PHENOL	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
PYRENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2,4,5-TRICHLOROPHENOL	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC
2,4,6-TRICHLOROPHENOL	Not detected	ug/kg	480	SW846-8270C	9/10/01 23:52	HWC

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Patterson Exploration Services

Russ Patterson

1907 Boone Trail Rd.

Sanford, NC 27330

Customer Project ID: OW(NLTC)

Customer Sample ID: T-6-1@12

Prism Sample ID: AC18308

Login Group: AO911H46

Sample Collection Date/Time: 8/30/01 13:09

Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

A handwritten signature in black ink, appearing to be "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-1@14
Prism Sample ID: AC18309
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:14
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 05:52	GRR
OIL AND GREASE	7400	mg/kg	50	9071	9/12/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	85	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-2@3
Prism Sample ID: AC18310
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:18
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 06:34	GRR
OIL AND GREASE	160	mg/kg	50	9071	9/12/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	77	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-2@6
Prism Sample ID: AC18311
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:22
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 07:16	GRR
OIL AND GREASE	190	mg/kg	50	9071	9/12/01 11:30	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-2@16
Prism Sample ID: AC18312
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:30
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 07:58	GRR
OIL AND GREASE	110	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	89	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-3@1
Prism Sample ID: AC18313
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:36
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	68	mg/kg	10	8015MOD/3550	9/12/01 07:17	GRR
OIL AND GREASE	970	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	86	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/6/01 10:00	JMV

Sample Comments:

Analysis note for DRO: The chromatographic peak pattern may represent that of a waste oil, rather than #2 fuel oil.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-3@3
Prism Sample ID: AC18314
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:38
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	36	mg/kg	10	8015MOD/3550	9/12/01 09:26	GRR
OIL AND GREASE	Less than	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/7/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-3@6
Prism Sample ID: AC18315
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:41
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 17:45	GRR
OIL AND GREASE	73	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	74	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/7/01 19:30	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-3@13
Prism Sample ID: AC18316
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:46
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 21:55	GRR
OIL AND GREASE	120	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/7/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-4@1
Prism Sample ID: AC18317
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:49
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	35	mg/kg	10	8015MOD/3550	9/12/01 08:43	GRR
OIL AND GREASE	170	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	66	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/7/01 19:30	JLW

Sample Comments:

Analysis note for DRO : The chromatographic peak pattern includes compounds with greater molecular weight ranges than #2 fuel oil.

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-4@6
Prism Sample ID: AC18318
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:53
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 18:27	GRR
OIL AND GREASE	100	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	75	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/7/01 19:30	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-4@12
Prism Sample ID: AC18319
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 13:57
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 19:08	GRR
OIL AND GREASE	80	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/7/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-5@1
Prism Sample ID: AC18320
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 14:00
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/12/01 08:00	GRR
OIL AND GREASE	250	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/7/01 19:30	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-5@3
Prism Sample ID: AC18321
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 14:04
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 19:49	GRR
OIL AND GREASE	93	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	79	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/7/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-5@6
Prism Sample ID: AC18322
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 14:07
Lab Submittal Date/Time: 8/31/01 19:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 20:31	GRR
OIL AND GREASE	Less than	mg/kg	50	9071	9/12/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	78	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/7/01 19:30	JLW

Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over a horizontal line.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



9/17/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW(NLTC)
Customer Sample ID: T-6-5@12
Prism Sample ID: AC18323
Login Group: AO911H46
Sample Collection Date/Time: 8/30/01 14:09
Lab Submittal Date/Time: 8/31/01 19:00

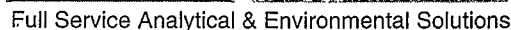
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/11/01 21:13	GRR
CALCULATIONS BASED ON DRY WT.	80	% DRY WT.	0.01	SM 2540 G	9/6/01 17:45	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/7/01 19:30	JLW

Sample Comments:

Method 9071 not performed due to all sample being used for DRO analysis.

Angela D. Overcash, V.P. Laboratory Services



Project Name OW (NLTE)

Project Name OW (NLTE)

Project Name OW (NLTE)

PAGE 1 OF 5 QUOTE # CONTINUATION OF 8/29/0

REPORT TO: Name USS Intrepid

Address _____

BILL TO: Name PRG

Address _____

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
☐ 6-9 Days ☐ Standard 10 days

Samples received after 15:00 will be processed the next business day.
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp <u>10</u>	✓		
PROPER PRESERVATIVES indicated?			✓
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

State Certification
Requested FL _____ NC ☒ SC _____ Other _____ NA _____

Water Chlorinated	Yes	No	NA
-------------------	-----	----	----

Sampled Upon Collection Yes No

CMUD _____ NPDES _____ OTHER _____

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature [Signature] Sampled By (Print Name) CHAN WING HING Affiliation

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours	Additional Comments: FRACTURED OIL & CRACKS
Relinquished By: (Signature)	Received By: (Signature)	Date		
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date		
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Hand-delivered <input type="checkbox"/> Other: _____		Log-In/Group No.		

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC	<input type="checkbox"/> NC
<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

**SEE REVERSE FOR
TERMS & CONDITIONS**

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FINAL REPORT COPY



PKISM LABORATORIES, INC. 449 SPRINGWOOD RD, CHAPEL HILL, N.C. 27511
Chemical & Environmental Technology Inc.
 102-A Woodwinds Industrial Ct. Cary, NC 27511
 (919) 467-3090 FAX: (919) 467-3515

CHAIN OF CUSTODY

Page 2 of 5

CLIENT NAME: PXS ADDRESS: 1907 BOONE TRAIL ROAD SANFORD NC 27330				Turnaround Time: <input type="checkbox"/> Normal (2 weeks) <input type="checkbox"/> Rush (1 week)* <input type="checkbox"/> Rush (48 hours)* <input type="checkbox"/> Rush (24 hours)*				ANALYSES REQUIRED <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;"> 7/4/3570 012 x 600016 FALCONBORO </div>				BILL TO: PXS ADDRESS: PURCHASE ORDER NO: 080201										
ATTENTION: PROJECT NO: 080201 PROJECT NAME: OW (NLTC)				PHONE: FAX:				PRESERVED IN FIELD <input type="checkbox"/> PRESERVED IN LAB <input type="checkbox"/> RECEIVED ON ICE <input type="checkbox"/>				PRESERVATIVES <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>NONE</td> <td>ASCORBIC</td> <td>NaS₂O₃</td> <td>NaOH</td> <td>H₂SO₄</td> <td>HNO₃</td> <td>HCl</td> </tr> </table>				NONE	ASCORBIC	NaS ₂ O ₃	NaOH	H ₂ SO ₄	HNO ₃	HCl
NONE	ASCORBIC	NaS ₂ O ₃	NaOH	H ₂ SO ₄	HNO ₃	HCl																
COLLECTED BY: (Signature) PRINTED NAME: CHON BRYANT				REMARKS				NONE ASCORBIC NaS ₂ O ₃ NaOH H ₂ SO ₄ HNO ₃ HCl														
CET SAMPLE #	DATE	TIME	SAMPLE COM	TYPE GRAB	SAMPLE I.D.	SAMPLE MATRIX	# OF CONTAINERS															
	8/30/01	10:03		X	T-5-1e1'		1							18285 18286								
		10:05		X	T-5-1e3'		1							18286 18287								
		10:08		X	T-5-1e6'		1							18287 18288								
		10:13		X	T-5-1e12'		1							18288 18289								
		10:16		X	T-5-2e2.5'		1							18289 18290								
		10:22		X	T-5-2e6'		1							18290 18291								
		10:26		X	T-5-2e12'		1							18291 18292								
		10:31		X	T-5-2e18'		1							18292 18293								
		10:35		X	T-5-3e3'		1							18293 18294								
		10:37		X	T-5-3e6'		1							18294 18295								
RELINQUISHED BY (Signature)				DATE		TIME		RECEIVED BY (Signature)				DATE		TIME		RECEIVED BY (Signature)						
				8/31/01		10:45																
RELINQUISHED BY (Signature)				DATE		TIME		RECEIVED FOR LABORATORY BY:				DATE		TIME		ADDITIONAL INSTRUCTIONS:						
				8-31-01		16:00						8-31-01		1900								

*Rush work requires laboratory approval prior to sample submission. Additional charges may apply.

911
AD23H46

CAROL ENVIRONMENTAL LABORATORIES, LLC

1229 N. HORNER BLVD. • SANFORD, NC 27330
(919) 775-1880 • FAX (919) 776-5724

CHAIN OF CUSTODY

Page 3 of 5

CLIENT: <u>PXS Withers & Ravenel</u> Contact: _____ Address: <u>111 Mackenon Drive 1907 Boone Train Port</u> City: <u>Sanford</u> State: <u>NC</u> Zip: <u>2751127330</u>					ANALYSES REQUIRED: <u>5520F-01/16/05</u> <u>350 Tpb</u>					BILL TO: <u>PXS</u> Phone #: () Fax #: () Purchase Order #: <u>080201</u>				
PROJECT NO: <u>080201</u>		PROJECT NAME: <u>OW (NLTC)</u>								Turnaround Time: <input type="checkbox"/> Normal (2 weeks) <input type="checkbox"/> Rush (1 week)* <input type="checkbox"/> Rush (48 hours)* <input type="checkbox"/> Rush (24 hours)*				
COLLECTED BY: (Signature) <u>[Signature]</u>					PRINTED NAME: <u>CHRYSTAL</u>					PRESERVATIVES				
Is the sample chlorinated? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										NONE ASCORBIC Na ₂ O ₃ NaOH H ₂ SO ₄ HNO ₃ HCl				
Will the results be used for regulatory monitoring purposes? Yes <input type="checkbox"/> No <input type="checkbox"/>										PRESERVED IN FIELD <input type="checkbox"/> PRESERVED IN LAB <input type="checkbox"/> RECEIVED ON ICE <input type="checkbox"/>				
SAMPLE #	DATE	TIME	COMP	GRAB	SAMPLE I.D.	SAMPLE MATRIX	# OF CONTAINERS	REMARKS						
	8/31/01	10:42		X	T-5-3c11'	S	1	18295 18296						
		10:45		X	T-5-4c3'			18296 18297						
		10:47		X	T-5-4c6'			18297 18298						
		10:51		X	T-5-4c11'			18298 18299						
		10:55		X	T-5-5c3'			18299 18300						
		10:59		X	T-5-5c6'			18300 18301						
		11:06		X	T-5-5c12'			18301 18302						
		11:09		X	T-5-6c3'			18302 18303						
		11:14		X	T-5-6c6'			18303 18304						
RELINQUISHED BY					DATE / TIME		RECEIVED BY		DATE / TIME		ADDITIONAL INSTRUCTIONS			
<u>[Signature]</u>					8/31/01		<u>[Signature]</u>		8-31-01-10:45		911 10213/14/6 PNC			
<u>Mat [Signature]</u>					8-31-01 16:00		<u>[Signature]</u>		8-31-01 @ 1900					

PRISM LABORATORIES, INC. 449 SPRINGBROOK RD, C. HARTFORD, NC 28217
~~CAROLINA ENVIRONMENTAL LABORATORIES, LLC~~

~~1229 N. HORNER BLVD. • SANFORD, NC 27330~~
~~(919) 775-1880 • FAX (919) 776-5724~~

CHAIN OF CUSTODY

Page 4 of 5

CLIENT: <u>Withers & Ravenel</u> Contact: <u>Russ Patterson</u>		ANALYSES REQUIRED <div style="border: 1px solid black; padding: 2px;"> 15501 15502 15503 15504 15505 15506 15507 15508 15509 15510 15511 15512 15513 15514 15515 15516 15517 15518 15519 15520 15521 15522 15523 15524 15525 15526 15527 15528 15529 15530 15531 15532 15533 15534 15535 15536 15537 15538 15539 15540 15541 15542 15543 15544 15545 15546 15547 15548 15549 15550 15551 15552 15553 15554 15555 15556 15557 15558 15559 15560 15561 15562 15563 15564 15565 15566 15567 15568 15569 15570 15571 15572 15573 15574 15575 15576 15577 15578 15579 15580 15581 15582 15583 15584 15585 15586 15587 15588 15589 15590 15591 15592 15593 15594 15595 15596 15597 15598 15599 15600 </div>		BILL TO: <u>PXS</u> Phone #: () Fax #: () Purchase Order #: _____												
ADDRESS: <u>111 Mackenran Drive</u> <u>1907 BOONE TRAIL RAN</u> City: <u>SANFORD</u> State: <u>NC</u> Zip: <u>27511 27330</u>																
PROJECT NO: <u>080201</u>		PROJECT NAME: <u>OW (NLTC)</u>														
COLLECTED BY: (Signature) <u>[Signature]</u>		PRINTED NAME: <u>CHRISTOPHER</u>														
Is the sample chlorinated? Yes <input type="checkbox"/> No <input type="checkbox"/>																
Will the results be used for regulatory monitoring purposes? Yes <input type="checkbox"/> No <input type="checkbox"/>																
SAMPLE #	DATE	TIME	COMP	GRAB	SAMPLE I.D.	SAMPLE MATRIX	# OF CONTAINERS	PRESERVATIVES								PRESERVED IN FIELD <input type="checkbox"/>
								NONE	ASCORBIC	Na ₂ O ₃	NaOH	H ₂ SO ₄	HNO ₃	HCl	PRESERVED IN LAB <input type="checkbox"/>	
																RECEIVED ON ICE <input type="checkbox"/>
																REMARKS
	8/30/01	12:58		X	T-6-1e1'	S	1	X	X							18305 18305
		13:00		X	T-6-1e3'	S	1	X	X							18306 18306
		13:03		X	T-6-1e6'	S	1	X	X							18307 18307
		13:09		X	T-6-1e12'	S	3	X	X	+	+					18308 18308
		13:14		X	T-6-1e14'	S	1	X	X							18309 18309
		13:18		X	T-6-2e3'	S	1	X	X							18310 18310
		13:22		X	T-6-2e6'	S	1	X	X							18311 18311
		13:30		X	T-6-2e16'	S	1	X	X							18312 18312
		13:36		X	T-6-3e1'	S	1	X	X							18313 18313
		13:38		X	T-6-3e3'	S	1	X	X							18314 18314
RELINQUISHED BY		DATE / TIME		RECEIVED BY		DATE / TIME		ADDITIONAL INSTRUCTIONS								
<u>[Signature]</u> <u>Mat Rm</u>		<u>8/31/01</u> <u>8-31-01 16:00</u>		<u>[Signature]</u> <u>[Signature]</u>		<u>8-31-01 10:45</u> <u>8-31-01/9 1900</u>		<u>A0911H46</u>								

FILE COPY

* RUSH WORK MUST BE APPROVED PRIOR TO SAMPLE SUBMISSION. ADDITIONAL CHARGES MAY APPLY.

1229 N. HORNER BLVD. • SANFORD, NC 27330
 (919) 775-1880 • FAX (919) 776-5724

Page 5 of 5

CLIENT: <u>PXS Withers & Raverett</u> Contact: <u>Russ Patterson</u>					ANALYSES REQUIRED					BILL TO: <u>PXS</u>														
Address: <u>111 Mackenan Drive 1907 BOONTS TRAIL POB 2</u>					1835/106 1836/106 1837/106 1838/106 1839/106 1840/106 1841/106 1842/106 1843/106 1844/106 1845/106 1846/106 1847/106 1848/106 1849/106 1850/106					Phone #: () Fax #: ()														
City: <u>Sanford</u> State: <u>NC</u> Zip: <u>27330</u>										Purchase Order #:														
PROJECT NO: <u>080201</u>		PROJECT NAME: <u>OW (NLTC)</u>			Turnaround Time:																			
COLLECTED BY (Signature): <u>[Signature]</u> PRINTED NAME: <u>CHRYSTAL</u>					<input type="checkbox"/> Normal (2 weeks) <input type="checkbox"/> Rush (1 week)* <input type="checkbox"/> Rush (48 hours)* <input type="checkbox"/> Rush (24 hours)*																			
Is the sample chlorinated? Yes <input type="checkbox"/> No <input type="checkbox"/>					PRESERVATIVES																			
Will the results be used for regulatory monitoring purposes? Yes <input type="checkbox"/> No <input type="checkbox"/>					<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>NONE</td> <td>ASCORBIC</td> <td>Na₂O₃</td> <td>NaOH</td> <td>H₂SO₄</td> <td>HNO₃</td> <td>HCl</td> </tr> </table>					NONE	ASCORBIC	Na ₂ O ₃	NaOH	H ₂ SO ₄	HNO ₃	HCl	PRESERVED IN FIELD <input type="checkbox"/> PRESERVED IN LAB <input type="checkbox"/> RECEIVED ON ICE <input type="checkbox"/>							
NONE	ASCORBIC	Na ₂ O ₃	NaOH	H ₂ SO ₄	HNO ₃	HCl																		
										REMARKS														
SAMPLE #	DATE	TIME	COMP	GRAB	SAMPLE I.D.	SAMPLE MATRIX	# OF CONTAINERS																	
	8/30/01	13:41		X	T-6-3e6'	S	1	X	X									18314 18315						
		13:46			T-6-3e13'													18315 18316						
		13:49			T-6-4e1'													18317						
		13:53			T-6-4e6'													18318						
		13:57			T-6-4e12'													18319						
		14:00			T-6-5e1'													18320						
		14:04			T-6-5e3'													18321						
		14:07			T-6-5e6'													18322						
		14:09			T-6-5e12'													18323						
RELINQUISHED BY					DATE / TIME					RECEIVED BY					DATE / TIME					ADDITIONAL INSTRUCTIONS				
<u>[Signature]</u> <u>Matt Th...</u>					<u>8/31/01</u> <u>8-31-01 16:00</u>					<u>[Signature]</u> <u>[Signature]</u>					<u>8-31-01 10:45</u> <u>8-31-01 @ 1900</u>					<u>Aug 31 11:46</u> <u>PAL</u>				

Lab Report



Today's Date: October 3, 2001

REVISED LABORATORY REPORT

Patterson Exploration Services
Attn: Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Client Project ID: OW (NLTC)
Client Sample ID: TP-1 @ 0-7 thru TP-4 @7
Prism Sample ID: AC18511 - AC18520
Prism Login Group: 3316H10

The attached laboratory report is a revision and supersedes our original laboratory report dated September 18, 2001.

If you have questions, please call us.

A handwritten signature in black ink, appearing to be "AO", written in a cursive style.

Angela D. Overcash, V.P. Laboratory Services

Prepared by: Paula Gilleland

F:\common\revlab.xls
Created 3/16/00 Revised 3/30/00

Lab Report



10/3/01

Page 1 of 40

Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-1 @ 0'-7'
Prism Sample ID: AC18511
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 14:30
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/14/01 08:12	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	9/6/01 13:08	KC
OIL AND GREASE	110	mg/kg	50	9071	9/13/01 10:00	GRR
OIL & GREASE, HYDROCARBONS	Less than	mg/kg	50	9071/silica gel	9/25/01 09:30	GRR
CALCULATIONS BASED ON DRY WT.	87	% DRY WT.	0.01	SM 2540 G	9/10/01 17:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/10/01 10:51	JMK
SW846-9071 TPH OIL AND GREASE RE	91	mg/kg	50	SW846-9071	9/25/01 09:30	DMM

Sample Comments:

This report is a revision and supersedes our original laboratory report dated 9/17/01.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



10/3/01

Page 2 of 40

Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-1 @ 12'
Prism Sample ID: AC18512
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 14:35
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TICs BY SEMIVOLATILE GC/MS				625/8270	9/12/01 18:39	HWC
625/8270 Tentatively Identified Compounds (10-largest TICs):						
<Identification Class>		<Closest Spectral Fit>		<Est. Conc.>		
=====		=====		=====		
Unknown aliphatic hydrocarbon		(Unknown)		840 ug/kg		
Unknown aliphatic hydrocarbon		(Unknown)		970 ug/kg		
Unknown aliphatic hydrocarbon		(Unknown)		960 ug/kg		
Unknown aliphatic hydrocarbon		(Unknown)		770 ug/kg		
Unknown aliphatic hydrocarbon		(Unknown)		700 ug/kg		
Unknown aliphatic hydrocarbon		(Unknown)		570 ug/kg		
Unknown aliphatic hydrocarbon		(Unknown)		510 ug/kg		
Unknown aliphatic hydrocarbon		(Unknown)		470 ug/kg		
Unknown aliphatic hydrocarbon		(Unknown)		550 ug/kg		
Unknown		(Molecular sulfur)		1600 ug/kg		
TPH - DIESEL RANGE	77	mg/kg	10	8015MOD/3550	9/13/01 20:40	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	9/6/01 13:45	KC
BENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
BROMOBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
BROMOCHLOROMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
BROMODICHLOROMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
BROMOFORM	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
BROMOMETHANE	Not detected	ug/kg	14.0	8260B/5030	9/11/01 17:29	MP
N-BUTYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
SEC-BUTYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
TERT-BUTYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
CARBON TETRACHLORIDE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
CHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
CHLORODIBROMOMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
CHLOROETHANE	Not detected	ug/kg	14.0	8260B/5030	9/11/01 17:29	MP
CHLOROFORM	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
CHLOROMETHANE	Not detected	ug/kg	14.0	8260B/5030	9/11/01 17:29	MP
2-CHLOROTOLUENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
4-CHLOROTOLUENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/kg	14.0	8260B/5030	9/11/01 17:29	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-1 @ 12'
Prism Sample ID: AC18512
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 14:35
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DIBROMOETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
DIBROMOMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,2-DICHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,3-DICHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,4-DICHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,1-DICHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,2-DICHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,1-DICHLOROETHENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,2-DICHLOROPROPANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,3-DICHLOROPROPANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
2,2-DICHLOROPROPANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,1-DICHLOROPROPENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
ETHYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
HEXACHLOROBUTADIENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
ISOPROPYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
P-ISOPROPYLTOLUENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
METHYLENE CHLORIDE	Not detected	ug/kg	140.0	8260B/5030	9/11/01 17:29	MP
NAPHTHALENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
N-PROPYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
STYRENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,1,1,2,2-TETRACHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
TETRACHLOROETHENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
TOLUENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,2,3-TRICHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-1 @ 12'
Prism Sample ID: AC18512
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 14:35
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,1,2-TRICHLOROETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
TRICHLOROETHENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
VINYL CHLORIDE	Not detected	ug/kg	14.0	8260B/5030	9/11/01 17:29	MP
TOTAL XYLENES	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
2-BUTANONE (MEK)	Not detected	ug/kg	70.0	8260B/5030	9/11/01 17:29	MP
2-CHLOROETHYL VINYL ETHER	Not detected	ug/kg	14.0	8260B/5030	9/11/01 17:29	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/kg	70.0	8260B/5030	9/11/01 17:29	MP
ACETONE	Not detected	ug/kg	140.0	8260B/5030	9/11/01 17:29	MP
CARBON DISULFIDE	Not detected	ug/kg	140.0	8260B/5030	9/11/01 17:29	MP
VINYL ACETATE	Not detected	ug/kg	70.0	8260B/5030	9/11/01 17:29	MP
CIS-1,3-DICHLOROPROPENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
2-HEXANONE	Not detected	ug/kg	70.0	8260B/5030	9/11/01 17:29	MP
IPE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
MTBE	Not detected	ug/kg	7.0	8260B/5030	9/11/01 17:29	MP
SURR:DIBROMOFLUOROMETHANE	89	%	70-130	8260B/5030	9/11/01 17:29	MP
SURR:TOLUENE-D8	98	%	70-130	8260B/5030	9/11/01 17:29	MP
SURR:BROMOFLUOROBENZENE	108	%	70-130	8260B/5030	9/11/01 17:29	MP

OIL AND GREASE	83	mg/kg	50	9071	9/13/01 10:00	GRR
OIL & GREASE, HYDROCARBONS	75	mg/kg	50	9071/silica gel	9/25/01 09:30	GRR
CALCULATIONS BASED ON DRY WT.	72	% DRY WT.	0.01	SM 2540 G	9/10/01 17:00	JLW
METALS DIGESTION METHOD 3050	Completed			SW846-3050	9/10/01 12:15	LC2
PREP. METHOD 3550	Completed			SW846-3550	9/10/01 10:51	JMK
PREP. METHOD 3550	Completed			SW846-3550B	9/7/01 15:00	JMV
LEAD, TOTAL	6.0	mg/kg	1.0	SW846-6010B	9/11/01 22:20	MSC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-1 @ 12'
Prism Sample ID: AC18512
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 14:35
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
CHROMIUM, TOTAL	23	mg/kg	1.0	SW846-6010B	9/11/01 22:20	MSC
ACENAPHTHENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
ACENAPHTHYLENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
ANTHRACENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
BENZO(A)ANTHRACENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
BENZO(B)FLUORANTHENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
BENZO(K)FLUORANTHENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
BENZO(A)PYRENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
BENZO(GH)PERYLENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
BIS(2-CHLOROETHOXY)METHANE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
BIS(2-CHLOROETHYL)ETHER	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
4-BROMOPHENYL PHENYL ETHER	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
BUTYL BENZYL PHTHALATE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
4-CHLORO-3-METHYLPHENOL	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
2-CHLORONAPHTHALENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
2-CHLOROPHENOL	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
4-CHLOROPHENYL PHENYL ETHER	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
CHRYSENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
DIBENZO(A,H)ANTHRACENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
DIBENZOFURAN	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
DI-N-BUTYLPHTHALATE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
1,2-DICHLOROBENZENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
1,3-DICHLOROBENZENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
1,4-DICHLOROBENZENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
2,4-DICHLOROPHENOL	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
DIETHYL PHTHALATE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
2,4-DIMETHYLPHENOL	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
DIMETHYL PHTHALATE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-1 @ 12'
Prism Sample ID: AC18512
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 14:35
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,4-DINITROPHENOL	Not detected	ug/kg	2350	SW846-8270C	9/12/01 18:39	HWC
2,4-DINITROTOLUENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
2,6-DINITROTOLUENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
DI-N-OCTYLPHTHALATE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
FLUORANTHENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
FLUORENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
HEXACHLOROBENZENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
HEXACHLOROBUTADIENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
HEXACHLOROCYCLOPENTADIENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
HEXACHLOROETHANE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
INDENO(1,2,3-CD)PYRENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
ISOPHORONE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
2-METHYL-4,6-DINITROPHENOL	Not detected	ug/kg	2350	SW846-8270C	9/12/01 18:39	HWC
2-METHYL NAPHTHALENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
2-METHYL-PHENOL	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
4-METHYL-PHENOL	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
NAPHTHALENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
NITROBENZENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
2-NITROPHENOL	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
4-NITROPHENOL	Not detected	ug/kg	2350	SW846-8270C	9/12/01 18:39	HWC
N-NITROSODIPHENYLAMINE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
N-NITROSODI-N-PROPYLAMINE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
PENTACHLOROPHENOL	Not detected	ug/kg	2350	SW846-8270C	9/12/01 18:39	HWC
PHENANTHRENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
PHENOL	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
PYRENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
2,4,5-TRICHLOROPHENOL	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC
2,4,6-TRICHLOROPHENOL	Not detected	ug/kg	470	SW846-8270C	9/12/01 18:39	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-1 @ 12'

Prism Sample ID: AC18512

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 14:35

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SW846-9071 TPH OIL AND GREASE RE	140	mg/kg	50	SW846-9071	9/25/01 09:30	DMM

Sample Comments:

This report is a revision and supersedes our original laboratory report dated 9/18/01.

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-1 @ 16'
Prism Sample ID: AC18513
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 14:42
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/13/01 16:00	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	9/6/01 14:22	KC
OIL AND GREASE	130	mg/kg	50	9071	9/13/01 10:00	GRR
OIL & GREASE, HYDROCARBONS	Less than	mg/kg	50	9071/silica gel	9/25/01 09:30	GRR
CALCULATIONS BASED ON DRY WT.	89	% DRY WT.	0.01	SM 2540 G	9/10/01 17:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/10/01 10:51	JMK
SW846-9071 TPH OIL AND GREASE RE	Less than	mg/kg	50	SW846-9071	9/25/01 09:30	DMM

Sample Comments:

This report is a revision and supersedes our original laboratory report dated 9/17/01.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



10/3/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 0'-10'
Prism Sample ID: AC18514
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 14:55
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TICs BY SEMIVOLATILE GC/MS				625/8270	9/12/01 21:41	HWC
625/8270 Tentatively Identified Compounds (10-largest TICs):						
<Identification Class>	<Closest Spectral Fit>	<Est. Conc.>				
=====	=====	=====				
Unknown aliphatic hydrocarbon	(Unknown)	570 ug/kg				
Unknown aliphatic hydrocarbon	(Unknown)	730 ug/kg				
Unknown aliphatic hydrocarbon	(Unknown)	550 ug/kg				
Unknown aliphatic hydrocarbon	(Unknown)	930 ug/kg				
Unknown	(Unknown)	790 ug/kg				
Unknown	(Unknown)	630 ug/kg				
Unknown	(Unknown)	790 ug/kg				
Unknown	(Unknown)	710 ug/kg				
Unknown	(Molecular sulfur	1000 ug/kg				
Unknown	(Unknown)	790 ug/kg				
TPH - DIESEL RANGE	81	mg/kg	10	8015MOD/3550	9/13/01 18:09	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	9/6/01 14:59	KC
BENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
BROMOBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
BROMOCHLOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
BROMODICHLOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
BROMOFORM	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
BROMOMETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:13	MP
N-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
SEC-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
TERT-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
CARBON TETRACHLORIDE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
CHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
CHLORODIBROMOMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
CHLOROETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:13	MP
CHLOROFORM	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
CHLOROMETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:13	MP
2-CHLOROTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
4-CHLOROTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:13	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 0'-10'
Prism Sample ID: AC18514
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 14:55
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DIBROMOETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
DIBROMOMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,2-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,3-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,4-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,1-DICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,2-DICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,1-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,2-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,3-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
2,2-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,1-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
ETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
HEXACHLOROBUTADIENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
ISOPROPYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
P-ISOPROPYLTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
METHYLENE CHLORIDE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 18:13	MP
NAPHTHALENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
N-PROPYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
STYRENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
TETRACHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
TOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,2,3-TRICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 0'-10'
Prism Sample ID: AC18514
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 14:55
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,1,2-TRICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
TRICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
VINYL CHLORIDE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:13	MP
TOTAL XYLENES	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
2-BUTANONE (MEK)	Not detected	ug/kg	60.0	8260B/5030	9/11/01 18:13	MP
2-CHLOROETHYL VINYL ETHER	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:13	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/kg	60.0	8260B/5030	9/11/01 18:13	MP
ACETONE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 18:13	MP
CARBON DISULFIDE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 18:13	MP
VINYL ACETATE	Not detected	ug/kg	60.0	8260B/5030	9/11/01 18:13	MP
CIS-1,3-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
2-HEXANONE	Not detected	ug/kg	60.0	8260B/5030	9/11/01 18:13	MP
IPE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
MTBE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:13	MP
SURR:DIBROMOFLUOROMETHANE	99	%	70-130	8260B/5030	9/11/01 18:13	MP
SURR:TOLUENE-D8	101	%	70-130	8260B/5030	9/11/01 18:13	MP
SURR:BROMOFLUOROBENZENE	121	%	70-130	8260B/5030	9/11/01 18:13	MP

OIL AND GREASE	140	mg/kg	50	9071	9/13/01 10:00	GRR
OIL & GREASE, HYDROCARBONS	Less than	mg/kg	50	9071/silica gel	9/25/01 09:30	GRR
CALCULATIONS BASED ON DRY WT.	81	% DRY WT.	0.01	SM 2540 G	9/10/01 17:00	JLW
METALS DIGESTION METHOD 3050	Completed			SW846-3050	9/10/01 12:15	LC2
PREP. METHOD 3550	Completed			SW846-3550	9/10/01 10:51	JMK
PREP. METHOD 3550	Completed			SW846-3550B	9/7/01 15:00	JMV
LEAD, TOTAL	1.5	mg/kg	1.0	SW846-6010B	9/11/01 22:34	MSC

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-2 @ 0'-10'

Prism Sample ID: AC18514

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 14:55

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
CHROMIUM, TOTAL	46	mg/kg	1.0	SW846-6010B	9/11/01 22:34	MSC
ACENAPHTHENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
ACENAPHTHYLENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
ANTHRACENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
BENZO(A)ANTHRACENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
BENZO(B)FLUORANTHENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
BENZO(K)FLUORANTHENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
BENZO(A)PYRENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
BENZO(GH)PERYLENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
BIS(2-CHLOROETHOXY)METHANE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
BIS(2-CHLOROETHYL)ETHER	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
4-BROMOPHENYL PHENYL ETHER	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
BUTYL BENZYL PHTHALATE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
4-CHLORO-3-METHYLPHENOL	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
2-CHLORONAPHTHALENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
2-CHLOROPHENOL	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
4-CHLOROPHENYL PHENYL ETHER	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
CHRYSENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
DIBENZO(A,H)ANTHRACENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
DIBENZOFURAN	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
DI-N-BUTYLPHTHALATE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
1,2-DICHLOROBENZENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
1,3-DICHLOROBENZENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
1,4-DICHLOROBENZENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
2,4-DICHLOROPHENOL	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
DIETHYL PHTHALATE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
2,4-DIMETHYLPHENOL	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
DIMETHYL PHTHALATE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-2 @ 0'-10'

Prism Sample ID: AC18514

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 14:55

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,4-DINITROPHENOL	Not detected	ug/kg	1900	SW846-8270C	9/12/01 21:41	HWC
2,4-DINITROTOLUENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
2,6-DINITROTOLUENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
DI-N-OCTYLPHTHALATE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
FLUORANTHENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
FLUORENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
HEXACHLOROBENZENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
HEXACHLOROBUTADIENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
HEXACHLOROCYCLOPENTADIENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
HEXACHLOROETHANE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
INDENO(1,2,3-CD)PYRENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
ISOPHORONE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
2-METHYL-4,6-DINITROPHENOL	Not detected	ug/kg	1900	SW846-8270C	9/12/01 21:41	HWC
2-METHYL NAPHTHALENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
2-METHYL-PHENOL	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
4-METHYL-PHENOL	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
NAPHTHALENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
NITROBENZENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
2-NITROPHENOL	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
4-NITROPHENOL	Not detected	ug/kg	1900	SW846-8270C	9/12/01 21:41	HWC
N-NITROSODIPHENYLAMINE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
N-NITROSODI-N-PROPYLAMINE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
PENTACHLOROPHENOL	Not detected	ug/kg	1900	SW846-8270C	9/12/01 21:41	HWC
PHENANTHRENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
PHENOL	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
PYRENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
2,4,5-TRICHLOROPHENOL	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC
2,4,6-TRICHLOROPHENOL	Not detected	ug/kg	380	SW846-8270C	9/12/01 21:41	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-2 @ 0'-10'

Prism Sample ID: AC18514

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 14:55

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
SW846-9071 TPH OIL AND GREASE RE	Less than	mg/kg	50	SW846-9071	9/25/01 09:30	DMM

Sample Comments:

This report is a revision and supersedes our previous report dated 9/18/01.

A handwritten signature in black ink, appearing to be "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



10/3/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 17'
Prism Sample ID: AC18515
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:00
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TICs BY SEMIVOLATILE GC/MS				625/8270	9/13/01 17:06	HWC
625/8270 Tentatively Identified Compounds (10-largest TICs):						
<Identification Class>		<Closest Spectral Fit>		<Est. Conc.>		
=====		=====		=====		
None detected						
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/13/01 16:43	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	9/6/01 15:36	KC
BENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
BROMOBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
BROMOCHLOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
BROMODICHLOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
BROMOFORM	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
BROMOMETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:57	MP
N-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
SEC-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
TERT-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
CARBON TETRACHLORIDE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
CHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
CHLORODIBROMOMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
CHLOROETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:57	MP
CHLOROFORM	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
CHLOROMETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:57	MP
2-CHLOROTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
4-CHLOROTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:57	MP
1,2-DIBROMOETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
DIBROMOMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,2-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,3-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,4-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 17'
Prism Sample ID: AC18515
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:00
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,1-DICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,2-DICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,1-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,2-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,3-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
2,2-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,1-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
ETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
HEXACHLOROBUTADIENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
ISOPROPYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
P-ISOPROPYLTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
METHYLENE CHLORIDE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 18:57	MP
NAPHTHALENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
N-PROPYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
STYRENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
TETRACHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
TOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,2,3-TRICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
TRICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 17'
Prism Sample ID: AC18515
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:00
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
VINYL CHLORIDE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:57	MP
TOTAL XYLENES	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
2-BUTANONE (MEK)	Not detected	ug/kg	60.0	8260B/5030	9/11/01 18:57	MP
2-CHLOROETHYL VINYL ETHER	Not detected	ug/kg	12.0	8260B/5030	9/11/01 18:57	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/kg	60.0	8260B/5030	9/11/01 18:57	MP
ACETONE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 18:57	MP
CARBON DISULFIDE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 18:57	MP
VINYL ACETATE	Not detected	ug/kg	60.0	8260B/5030	9/11/01 18:57	MP
CIS-1,3-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
2-HEXANONE	Not detected	ug/kg	60.0	8260B/5030	9/11/01 18:57	MP
IPE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
MTBE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 18:57	MP
SURR:DIBROMOFLUOROMETHANE	99	%	70-130	8260B/5030	9/11/01 18:57	MP
SURR:TOLUENE-D8	99	%	70-130	8260B/5030	9/11/01 18:57	MP
SURR:BROMOFLUOROBENZENE	109	%	70-130	8260B/5030	9/11/01 18:57	MP

OIL AND GREASE	120	mg/kg	50	9071	9/13/01 10:00	GRR
OIL & GREASE, HYDROCARBONS	Less than	mg/kg	50	9071/silica gel	9/25/01 09:30	GRR
CALCULATIONS BASED ON DRY WT.	83	% DRY WT.	0.01	SM 2540 G	9/10/01 17:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/10/01 10:51	JMK
PREP. METHOD 3550	Completed			SW846-3550B	9/7/01 15:00	JMV
ACENAPHTHENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
ACENAPHTHYLENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
ANTHRACENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
BENZO(A)ANTHRACENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
BENZO(B)FLUORANTHENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
BENZO(K)FLUORANTHENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
BENZO(A)PYRENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
BENZO(GH)PERYLENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 17'
Prism Sample ID: AC18515
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:00
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BIS(2-CHLOROETHOXY)METHANE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
BIS(2-CHLOROETHYL)ETHER	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
4-BROMOPHENYL PHENYL ETHER	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
BUTYL BENZYL PHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
4-CHLORO-3-METHYLPHENOL	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2-CHLORONAPHTHALENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2-CHLOROPHENOL	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
4-CHLOROPHENYL PHENYL ETHER	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
CHRYSENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
DIBENZO(A,H)ANTHRACENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
DIBENZOFURAN	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
DI-N-BUTYLPHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
1,2-DICHLOROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
1,3-DICHLOROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
1,4-DICHLOROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2,4-DICHLOROPHENOL	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
DIETHYL PHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2,4-DIMETHYLPHENOL	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
DIMETHYL PHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2,4-DINITROPHENOL	Not detected	ug/kg	2000	SW846-8270C	9/13/01 17:06	HWC
2,4-DINITROTOLUENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2,6-DINITROTOLUENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
DI-N-OCTYLPHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
FLUORANTHENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
FLUORENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
HEXACHLOROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
HEXACHLOROBUTADIENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
HEXACHLOROCYCLOPENTADIENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: **OW (NLTC)**
Customer Sample ID: **TP-2 @ 17'**
Prism Sample ID: **AC18515**
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:00
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
HEXACHLOROETHANE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
INDENO(1,2,3-CD)PYRENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
ISOPHORONE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2-METHYL-4,6-DINITROPHENOL	Not detected	ug/kg	2000	SW846-8270C	9/13/01 17:06	HWC
2-METHYL NAPHTHALENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2-METHYL-PHENOL	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
4-METHYL-PHENOL	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
NAPHTHALENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
NITROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2-NITROPHENOL	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
4-NITROPHENOL	Not detected	ug/kg	2000	SW846-8270C	9/13/01 17:06	HWC
N-NITROSODIPHENYLAMINE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
N-NITROSODI-N-PROPYLAMINE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
PENTACHLOROPHENOL	Not detected	ug/kg	2000	SW846-8270C	9/13/01 17:06	HWC
PHENANTHRENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
PHENOL	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
PYRENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2,4,5-TRICHLOROPHENOL	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC
2,4,6-TRICHLOROPHENOL	Not detected	ug/kg	400	SW846-8270C	9/13/01 17:06	HWC

SW846-9071 TPH OIL AND GREASE RE	Less than	mg/kg	50	SW846-9071	9/25/01 09:30	DMM

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 17'
Prism Sample ID: AC18515
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:00
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

This report is a revision and supersedes our original laboratory report dated 9/17/01.

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 20'
Prism Sample ID: AC18516
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:05
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TICs BY SEMIVOLATILE GC/MS				625/8270	9/12/01 17:07	HWC
625/8270 Tentatively Identified Compounds (10-largest TICs):						
<Identification Class>		<Closest Spectral Fit>		<Est. Conc.>		
=====		=====		=====		
None detected						
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/13/01 17:25	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	9/6/01 16:13	KC
BENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
BROMOBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
BROMOCHLOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
BROMODICHLOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
BROMOFORM	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
BROMOMETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 19:41	MP
N-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
SEC-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
TERT-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
CARBON TETRACHLORIDE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
CHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
CHLORODIBROMOMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
CHLOROETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 19:41	MP
CHLOROFORM	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
CHLOROMETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 19:41	MP
2-CHLOROTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
4-CHLOROTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 19:41	MP
1,2-DIBROMOETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
DIBROMOMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,2-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,3-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,4-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 20'
Prism Sample ID: AC18516
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:05
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,1-DICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,2-DICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,1-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,2-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,3-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
2,2-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,1-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
ETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
HEXACHLOROBUTADIENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
ISOPROPYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
P-ISOPROPYLTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
METHYLENE CHLORIDE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 19:41	MP
NAPHTHALENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
N-PROPYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
STYRENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
TETRACHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
TOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,2,3-TRICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
TRICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-2 @ 20'

Prism Sample ID: AC18516

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 15:05

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
VINYL CHLORIDE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 19:41	MP
TOTAL XYLENES	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
2-BUTANONE (MEK)	Not detected	ug/kg	60.0	8260B/5030	9/11/01 19:41	MP
2-CHLOROETHYL VINYL ETHER	Not detected	ug/kg	12.0	8260B/5030	9/11/01 19:41	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/kg	60.0	8260B/5030	9/11/01 19:41	MP
ACETONE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 19:41	MP
CARBON DISULFIDE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 19:41	MP
VINYL ACETATE	Not detected	ug/kg	60.0	8260B/5030	9/11/01 19:41	MP
CIS-1,3-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
2-HEXANONE	Not detected	ug/kg	60.0	8260B/5030	9/11/01 19:41	MP
IPE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
MTBE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 19:41	MP
SURR:DIBROMOFLUOROMETHANE	99	%	70-130	8260B/5030	9/11/01 19:41	MP
SURR:TOLUENE-D8	99	%	70-130	8260B/5030	9/11/01 19:41	MP
SURR:BROMOFLUOROBENZENE	116	%	70-130	8260B/5030	9/11/01 19:41	MP

OIL AND GREASE	160	mg/kg	50	9071	9/13/01 10:00	GRR
OIL & GREASE, HYDROCARBONS	780	mg/kg	50	9071/silica gel	9/25/01 09:30	GRR
CALCULATIONS BASED ON DRY WT.	82	% DRY WT.	0.01	SM 2540 G	9/10/01 17:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/10/01 10:51	JMK
PREP. METHOD 3550	Completed			SW846-3550B	9/7/01 15:00	JMV
ACENAPHTHENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
ACENAPHTHYLENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
ANTHRACENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
BENZO(A)ANTHRACENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
BENZO(B)FLUORANTHENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
BENZO(K)FLUORANTHENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
BENZO(A)PYRENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
BENZO(GH)PERYLENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 20'
Prism Sample ID: AC18516
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:05
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BIS(2-CHLOROETHOXY)METHANE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
BIS(2-CHLOROETHYL)ETHER	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
4-BROMOPHENYL PHENYL ETHER	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
BUTYL BENZYL PHTHALATE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
4-CHLORO-3-METHYLPHENOL	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2-CHLORONAPHTHALENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2-CHLOROPHENOL	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
4-CHLOROPHENYL PHENYL ETHER	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
CHRYSENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
DIBENZO(A,H)ANTHRACENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
DIBENZOFURAN	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
DI-N-BUTYLPHTHALATE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
1,2-DICHLOROBENZENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
1,3-DICHLOROBENZENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
1,4-DICHLOROBENZENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2,4-DICHLOROPHENOL	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
DIETHYL PHTHALATE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2,4-DIMETHYLPHENOL	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
DIMETHYL PHTHALATE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2,4-DINITROPHENOL	Not detected	ug/kg	2050	SW846-8270C	9/12/01 17:07	HWC
2,4-DINITROTOLUENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2,6-DINITROTOLUENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
DI-N-OCTYLPHTHALATE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
FLUORANTHENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
FLUORENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
HEXACHLOROBENZENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
HEXACHLOROBUTADIENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
HEXACHLOROCYCLOPENTADIENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-2 @ 20'

Prism Sample ID: AC18516

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 15:05

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
HEXACHLOROETHANE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
INDENO(1,2,3-CD)PYRENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
ISOPHORONE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2-METHYL-4,6-DINITROPHENOL	Not detected	ug/kg	2050	SW846-8270C	9/12/01 17:07	HWC
2-METHYL NAPHTHALENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2-METHYL-PHENOL	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
4-METHYL-PHENOL	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
NAPHTHALENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
NITROBENZENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2-NITROPHENOL	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
4-NITROPHENOL	Not detected	ug/kg	2050	SW846-8270C	9/12/01 17:07	HWC
N-NITROSODIPHENYLAMINE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
N-NITROSODI-N-PROPYLAMINE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
PENTACHLOROPHENOL	Not detected	ug/kg	2050	SW846-8270C	9/12/01 17:07	HWC
PHENANTHRENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
PHENOL	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
PYRENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2,4,5-TRICHLOROPHENOL	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC
2,4,6-TRICHLOROPHENOL	Not detected	ug/kg	410	SW846-8270C	9/12/01 17:07	HWC

SW846-9071 TPH OIL AND GREASE RE	1100	mg/kg	50	SW846-9071	9/25/01 09:30	DMM

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-2 @ 20'
Prism Sample ID: AC18516
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:05
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

This report is a revision and supersedes our original laboratory report dated 9/17/01.

A handwritten signature in black ink, appearing to read "AO", is positioned above the name of the analyst.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



10/3/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-3 @ 0'-6'

Prism Sample ID: AC18517

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 15:22

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	37	mg/kg	10	8015MOD/3550	9/13/01 19:58	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	9/6/01 16:50	KC
OIL AND GREASE	1400	mg/kg	50	9071	9/13/01 10:00	GRR
OIL & GREASE, HYDROCARBONS	Less than	mg/kg	50	9071/silica gel	9/25/01 09:30	GRR
CALCULATIONS BASED ON DRY WT.	89	% DRY WT.	0.01	SM 2540 G	9/10/01 17:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/10/01 10:51	JMK
SW846-9071 TPH OIL AND GREASE RE	61	mg/kg	50	SW846-9071	9/25/01 09:30	DMM

Sample Comments:

Analysis note for DRO : The chromatographic peak pattern represents compounds with molecular weights greater than #2 fuel oil.

This report is a revision and supersedes our original laboratory report dated 9/17/01.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



10/3/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-3 @ 7'-14'
Prism Sample ID: AC18518
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:28
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TICs BY SEMIVOLATILE GC/MS				625/8270	9/12/01 20:56	HWC
625/8270 Tentatively Identified Compounds (10-largest TICs):						
<Identification Class>		<Closest Spectral Fit>		<Est. Conc.>		
=====		=====		=====		
Unknown		(Molecular Sulfur)		1100 ug/kg		
TPH - DIESEL RANGE	27	mg/kg	10	8015MOD/3550	9/14/01 07:29	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	9/6/01 17:27	KC
BENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
BROMOBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
BROMOCHLOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
BROMODICHLOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
BROMOFORM	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
BROMOMETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 20:25	MP
N-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
SEC-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
TERT-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
CARBON TETRACHLORIDE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
CHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
CHLORODIBROMOMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
CHLOROETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 20:25	MP
CHLOROFORM	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
CHLOROMETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 20:25	MP
2-CHLOROTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
4-CHLOROTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 20:25	MP
1,2-DIBROMOETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
DIBROMOMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,2-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,3-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,4-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



10/3/01

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-3 @ 7'-14'
Prism Sample ID: AC18518
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:28
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,1-DICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,2-DICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,1-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,2-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,3-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
2,2-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,1-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
ETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
HEXACHLOROBUTADIENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
ISOPROPYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
P-ISOPROPYLTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
METHYLENE CHLORIDE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 20:25	MP
NAPHTHALENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
N-PROPYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
STYRENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
TETRACHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
TOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,2,3-TRICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
TRICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-3 @ 7'-14'
Prism Sample ID: AC18518
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:28
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
VINYL CHLORIDE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 20:25	MP
TOTAL XYLENES	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
2-BUTANONE (MEK)	Not detected	ug/kg	60.0	8260B/5030	9/11/01 20:25	MP
2-CHLOROETHYL VINYL ETHER	Not detected	ug/kg	12.0	8260B/5030	9/11/01 20:25	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/kg	60.0	8260B/5030	9/11/01 20:25	MP
ACETONE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 20:25	MP
CARBON DISULFIDE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 20:25	MP
VINYL ACETATE	Not detected	ug/kg	60.0	8260B/5030	9/11/01 20:25	MP
CIS-1,3-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
2-HEXANONE	Not detected	ug/kg	60.0	8260B/5030	9/11/01 20:25	MP
IPE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
MTBE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 20:25	MP
SURR:DIBROMOFLUOROMETHANE	95	%	70-130	8260B/5030	9/11/01 20:25	MP
SURR:TOLUENE-D8	101	%	70-130	8260B/5030	9/11/01 20:25	MP
SURR:BROMOFLUOROBENZENE	118	%	70-130	8260B/5030	9/11/01 20:25	MP

OIL AND GREASE	220	mg/kg	50	9071	9/13/01 10:00	GRR
OIL & GREASE, HYDROCARBONS	Less than	mg/kg	50	9071/silica gel	9/25/01 09:30	GRR
CALCULATIONS BASED ON DRY WT.	76	% DRY WT.	0.01	SM 2540 G	9/10/01 17:00	JLW
METALS DIGESTION METHOD 3050	Completed			SW846-3050	9/10/01 12:15	LC2
PREP. METHOD 3550	Completed			SW846-3550	9/10/01 10:51	JMK
PREP. METHOD 3550	Completed			SW846-3550B	9/7/01 15:00	JMV
LEAD, TOTAL	Less than	mg/kg	1.0	SW846-6010B	9/11/01 22:39	MSC
CHROMIUM, TOTAL	35	mg/kg	1.0	SW846-6010B	9/11/01 22:39	MSC
ACENAPHTHENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
ACENAPHTHYLENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
ANTHRACENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
BENZO(A)ANTHRACENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
BENZO(B)FLUORANTHENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-3 @ 7'-14'

Prism Sample ID: AC18518

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 15:28

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BENZO(K)FLUORANTHENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
BENZO(A)PYRENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
BENZO(GH)PERYLENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
BIS(2-CHLOROETHOXY)METHANE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
BIS(2-CHLOROETHYL)ETHER	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
4-BROMOPHENYL PHENYL ETHER	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
BUTYL BENZYL PHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
4-CHLORO-3-METHYLPHENOL	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2-CHLORONAPHTHALENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2-CHLOROPHENOL	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
4-CHLOROPHENYL PHENYL ETHER	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
CHRYSENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
DIBENZO(A,H)ANTHRACENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
DIBENZOFURAN	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
DI-N-BUTYLPHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
1,2-DICHLOROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
1,3-DICHLOROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
1,4-DICHLOROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2,4-DICHLOROPHENOL	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
DIETHYL PHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2,4-DIMETHYLPHENOL	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
DIMETHYL PHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2,4-DINITROPHENOL	Not detected	ug/kg	2000	SW846-8270C	9/12/01 20:56	HWC
2,4-DINITROTOLUENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2,6-DINITROTOLUENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
DI-N-OCTYLPHTHALATE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
FLUORANTHENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
FLUORENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-3 @ 7'-14'

Prism Sample ID: AC18518

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 15:28

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
HEXACHLOROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
HEXACHLOROBUTADIENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
HEXACHLOROCYCLOPENTADIENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
HEXACHLOROETHANE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
INDENO(1,2,3-CD)PYRENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
ISOPHORONE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2-METHYL-4,6-DINITROPHENOL	Not detected	ug/kg	2000	SW846-8270C	9/12/01 20:56	HWC
2-METHYL NAPHTHALENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2-METHYL-PHENOL	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
4-METHYL-PHENOL	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
NAPHTHALENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
NITROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2-NITROPHENOL	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
4-NITROPHENOL	Not detected	ug/kg	2000	SW846-8270C	9/12/01 20:56	HWC
N-NITROSODIPHENYLAMINE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
N-NITROSODI-N-PROPYLAMINE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
PENTACHLOROPHENOL	Not detected	ug/kg	2000	SW846-8270C	9/12/01 20:56	HWC
PHENANTHRENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
PHENOL	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
PYRENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2,4,5-TRICHLOROPHENOL	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC
2,4,6-TRICHLOROPHENOL	Not detected	ug/kg	400	SW846-8270C	9/12/01 20:56	HWC

SW846-9071 TPH OIL AND GREASE RE	90	mg/kg	50	SW846-9071	9/25/01 09:30	DMM

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-3 @ 7'-14'
Prism Sample ID: AC18518
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:28
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

This report is a revision and supersedes our previous report dated 9/18/01.

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-3 @ 17'
Prism Sample ID: AC18519
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:38
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TICs BY SEMIVOLATILE GC/MS				625/8270	9/12/01 14:44	HWC
625/8270 Tentatively Identified Compounds (10-largest TICs):						
<Identification Class>		<Closest Spectral Fit>		<Est. Conc.>		
=====		=====		=====		
None detected						
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/13/01 14:33	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	9/6/01 19:18	KC
BENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
BROMOBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
BROMOCHLOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
BROMODICHLOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
BROMOFORM	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
BROMOMETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 21:09	MP
N-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
SEC-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
TERT-BUTYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
CARBON TETRACHLORIDE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
CHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
CHLORODIBROMOMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
CHLOROETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 21:09	MP
CHLOROFORM	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
CHLOROMETHANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 21:09	MP
2-CHLOROTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
4-CHLOROTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 21:09	MP
1,2-DIBROMOETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
DIBROMOMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,2-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,3-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,4-DICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-3 @ 17'
Prism Sample ID: AC18519
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:38
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,1-DICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,2-DICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,1-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,2-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,3-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
2,2-DICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,1-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
ETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
HEXACHLOROBUTADIENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
ISOPROPYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
P-ISOPROPYLTOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
METHYLENE CHLORIDE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 21:09	MP
NAPHTHALENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
N-PROPYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
STYRENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
TETRACHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
TOLUENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,2,3-TRICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
TRICHLOROETHENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-3 @ 17'

Prism Sample ID: AC18519

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 15:38

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
VINYL CHLORIDE	Not detected	ug/kg	12.0	8260B/5030	9/11/01 21:09	MP
TOTAL XYLENES	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
2-BUTANONE (MEK)	Not detected	ug/kg	60.0	8260B/5030	9/11/01 21:09	MP
2-CHLOROETHYL VINYL ETHER	Not detected	ug/kg	12.0	8260B/5030	9/11/01 21:09	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/kg	60.0	8260B/5030	9/11/01 21:09	MP
ACETONE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 21:09	MP
CARBON DISULFIDE	Not detected	ug/kg	120.0	8260B/5030	9/11/01 21:09	MP
VINYL ACETATE	Not detected	ug/kg	60.0	8260B/5030	9/11/01 21:09	MP
CIS-1,3-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
2-HEXANONE	Not detected	ug/kg	60.0	8260B/5030	9/11/01 21:09	MP
IPE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
MTBE	Not detected	ug/kg	6.0	8260B/5030	9/11/01 21:09	MP
SURR:DIBROMOFLUOROMETHANE	98	%	70-130	8260B/5030	9/11/01 21:09	MP
SURR:TOLUENE-D8	97	%	70-130	8260B/5030	9/11/01 21:09	MP
SURR:BROMOFLUOROBENZENE	111	%	70-130	8260B/5030	9/11/01 21:09	MP

OIL AND GREASE	120	mg/kg	50	9071	9/13/01 15:30	GRR
OIL & GREASE, HYDROCARBONS	230	mg/kg	50	9071/silica gel	9/25/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	86	% DRY WT.	0.01	SM 2540 G	9/10/01 17:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/10/01 10:51	JMK
PREP. METHOD 3550	Completed			SW846-3550B	9/7/01 15:00	JMV
ACENAPHTHENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
ACENAPHTHYLENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
ANTHRACENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
BENZO(A)ANTHRACENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
BENZO(B)FLUORANTHENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
BENZO(K)FLUORANTHENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
BENZO(A)PYRENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
BENZO(GHI)PERYLENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-3 @ 17'
Prism Sample ID: AC18519
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:38
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BIS(2-CHLOROETHOXY)METHANE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
BIS(2-CHLOROETHYL)ETHER	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
4-BROMOPHENYL PHENYL ETHER	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
BUTYL BENZYL PHTHALATE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
4-CHLORO-3-METHYLPHENOL	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2-CHLORONAPHTHALENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2-CHLOROPHENOL	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
4-CHLOROPHENYL PHENYL ETHER	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
CHRYSENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
DIBENZO(A,H)ANTHRACENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
DIBENZOFURAN	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
DI-N-BUTYLPHTHALATE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
1,2-DICHLOROBENZENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
1,3-DICHLOROBENZENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
1,4-DICHLOROBENZENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2,4-DICHLOROPHENOL	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
DIETHYL PHTHALATE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2,4-DIMETHYLPHENOL	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
DIMETHYL PHTHALATE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2,4-DINITROPHENOL	Not detected	ug/kg	1800	SW846-8270C	9/12/01 14:44	HWC
2,4-DINITROTOLUENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2,6-DINITROTOLUENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
DI-N-OCTYLPHTHALATE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
FLUORANTHENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
FLUORENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
HEXACHLOROBENZENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
HEXACHLOROBUTADIENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
HEXACHLOROCYCLOPENTADIENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



10/3/01

Page 38 of 40

Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-3 @ 17'

Prism Sample ID: AC18519

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 15:38

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
HEXACHLOROETHANE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
INDENO(1,2,3-CD)PYRENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
ISOPHORONE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2-METHYL-4,6-DINITROPHENOL	Not detected	ug/kg	1800	SW846-8270C	9/12/01 14:44	HWC
2-METHYL NAPHTHALENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2-METHYL-PHENOL	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
4-METHYL-PHENOL	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
NAPHTHALENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
NITROBENZENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2-NITROPHENOL	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
4-NITROPHENOL	Not detected	ug/kg	1800	SW846-8270C	9/12/01 14:44	HWC
N-NITROSODIPHENYLAMINE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
N-NITROSODI-N-PROPYLAMINE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
PENTACHLOROPHENOL	Not detected	ug/kg	1800	SW846-8270C	9/12/01 14:44	HWC
PHENANTHRENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
PHENOL	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
PYRENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
1,2,4-TRICHLOROBENZENE	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2,4,5-TRICHLOROPHENOL	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC
2,4,6-TRICHLOROPHENOL	Not detected	ug/kg	360	SW846-8270C	9/12/01 14:44	HWC

SW846-9071 TPH OIL AND GREASE RE	280	mg/kg	50	SW846-9071	9/25/01 17:00	GRR

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



10/3/01

Page 39 of 40

Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)
Customer Sample ID: TP-3 @ 17'
Prism Sample ID: AC18519
Login Group: 3316H10
Sample Collection Date/Time: 8/31/01 15:38
Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
-------------------	----------------	-------	--------------------	---------------------	----------------------	---------

Sample Comments:

This report is a revision and supersedes our original laboratory report dated 9/17/01.

A handwritten signature in black ink, appearing to read "AO", is written over the sample comments section.

Angela D. Overcash, V.P. Laboratory Services

Lab Report



10/3/01

Page 40 of 40

Patterson Exploration Services
Russ Patterson
1907 Boone Trail Rd.
Sanford, NC 27330

Customer Project ID: OW (NLTC)

Customer Sample ID: TP-4 @ 7'

Prism Sample ID: AC18520

Login Group: 3316H10

Sample Collection Date/Time: 8/31/01 15:55

Lab Submittal Date/Time: 9/5/01 15:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	9/13/01 15:17	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	9/6/01 19:55	KC
OIL AND GREASE	77	mg/kg	50	9071	9/13/01 15:30	GRR
OIL & GREASE, HYDROCARBONS	190	mg/kg	50	9071/silica gel	9/25/01 17:00	GRR
CALCULATIONS BASED ON DRY WT.	90	% DRY WT.	0.01	SM 2540 G	9/10/01 17:00	JLW
PREP. METHOD 3550	Completed			SW846-3550	9/10/01 10:51	JMK
SW846-9071 TPH OIL AND GREASE RE	260	mg/kg	50	SW846-9071	9/25/01 17:00	GRR

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services



Full Service Analytical & Environmental Solutions

Client Patterson Environmental Services (PES)
Physical Address PO Box 3008
SAFETY, NC 27570
Phone 919-774-3170 Fax 919-774-3510
P.O.#/Billing Reference OW (NLTC)
Project Name OW (NLTC)

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

REPORT TO: Name ROSS PATTERSON

Address

BILL TO: Name SANB (PXS)

Address

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
☐ 6-9 Days ☐ Standard 10 days

Samples received after 15:00 will be processed the next business day.
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>5°</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification

Requested FL NC SC Other NA

Water Chlorinated Yes No NA

Sample Iced Upon Collection Yes No

CMUD NPDES OTHER

PRESS DOWN FIRMLY - 3 COPIES

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED					REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		5030/353	5030/353	5030/353	5030/353	5030/353			
TP-1e0-7'	8/31/01	14:30	S	CG	1	802	—	X	X						18511
TP-1e12'		14:35			3			X	X	X	X	X			18512
TP-1e18'		14:42			1			X	X						18513
TP-2e0-10'		14:55			3			X	X	X	X	X			18514
TP-2e17'		15:00			2			X	X	X	X				18515
TP-2e20'		15:05			2			X	X	X	X				18516
TP-3e0-6		15:22			1			X	X						18517
TP-3e7-14		15:28			3			X	X	X	X	X			18518
TP-3e17'		15:38			2			X	X	X	X				18519
TP-4e7'		15:55			2			X	X						18520

Sampler's Signature [Signature] Sampled By (Print Name) MECHAM BRYANT Affiliation

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>9-5-01</u>	Military/ID No. <u>9-55</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>9/4/01</u>	
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>9/5/01</u>	1530
Method of Shipment: <u>FS</u>		Log-In Group No. <u>33184110</u>	

Additional Comments:

FRAS (Patterson)
oil & grease
5030

PRISM USE ONLY

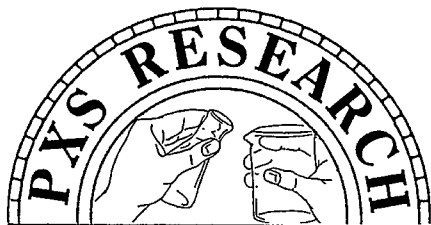
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage

NPDES: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
UST: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
GROUNDWATER: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
DRINKING WATER: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
SOLID WASTE: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
RCRA: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
CERCLA: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
LANDFILL: ☐ NC ☐ SC ☐ OTHER ☐ OTHER
OTHER: ☐ NC ☐ SC ☐ OTHER ☐ OTHER

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

**SEE REVERSE FOR
TERMS & CONDITIONS**

FINAL REPORT COPY



LABORATORIES

N.C. LAB CERTIFICATION # 457

P.O. BOX 3008 • SANFORD, N.C. 27331-3008
TELEPHONE: (919) 774-3770 FAX: (919) 774-3510

-----ANALYTICAL RESULTS-----

Site: NLTC Asphalt		PXS#: 080201
Location: Chapel Hill, North Carolina		
Client: Hanson		
Date Collected: 08/06/01	Collected By: O.F. Patterson III	
Date Received: 08/06/01	Date Extracted: 08/07/01	
Matrix: SOIL	Analysis Date: 08/07/01	
Analysis Performed By: Dwayne Phillips		

PXS Lab ID#	Field ID#	Method #	Analysis Performed	Concentration mg/kg	Quantitation Limit mg/kg
0800101	S2/W7/E4	9071	Grease & Oil	2102	5.0
0800201	W5/6-S5/6	9071	Grease & Oil	560	5.0
BQL = Below Quantitation Limit					



LABORATORIES

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TELEPHONE: (919) 774-3770 FAX: (919) 774-3510

-----ANALYTICAL RESULTS-----

Site: NLTC Asphalt		PXS#: 080201
Location: Chapel Hill, North Carolina		
Client: Hanson		
Date Collected: 08/06/01	Collected By: O.F. Patterson III	
Date Received: 08/06/01	Date Extracted: 08/07/01	
Matrix: SOIL	Analysis Date: 08/08/01	
Analysis Performed By: Dwayne Phillips		

PXS Lab ID#	Field ID#	Method #	Analysis Performed	Concentration mg/kg	Quantitation Limit mg/kg
0800201	W5/6-S5/6	3550/8015M	TPHD	10	5.0
BQL = Below Quantitation Limit					

CHAIN of CUSTODY

No

Type of Sample:

☐ Ground Water ☐ Solid Waste
☐ Surface Water ☐ Hazardous Waste
☐ Waste Water ☐ Sludge
☒ Soil ☐ Other _____

PXS RESEARCH LABORATORIES

Post Office Box 3008
 Sanford, North Carolina 27331-3008
 Telephone: (919) 774-3770 Fax: (919) 774-3510

Method of Shipment:

*PXS cooler
on ice/water*

Page 1 of 1

CLIENT: <i>HANSON</i>				ANALYSES								PXS JOB NO.: <i>080201</i>	
CLIENT PHONE NUMBER: <i>3802615</i>				<i>9071</i> <i>TPAD</i> <i>TPAC</i>									SITE: <i>NLTC ASPHALT</i>
COLLECTOR'S NAME: <i>OT</i>													LOCATION: <i>CHAPEL Hill</i>
FIELD ID #	PXS LAB ID #	TIME COLLECTED	DATE COLLECTED										Temperature
<i>5-2/W-7/E-4</i>		<i>5:10p</i>	<i>8-6-01</i>	✓	✓	✓		REMARKS <i>S-2/W-7/E-4 is dirty!</i> <i>in small cooler</i> <i>MIDDLE LAB</i>					
<i>W5/6-S5/6</i>		<i>6:15p</i>	<i>8-6-01</i>	✓	✓	✓							
Relinquished By: <i>OT</i>				Date: <i>8-6-01</i>	Time: <i>7:45p</i>	Received By: <i>OT</i>		Date: <i>8-6-01</i>	Time: <i>7:45p</i>				
Relinquished By: <i>[Signature]</i>				Date: <i>8/6/01</i>	Time: <i>9:15</i>	Received By: <i>[Signature]</i>		Date: <i>8/7/01</i>	Time: <i>8:15am</i>				
Relinquished By: <i>[Signature]</i>				Date: <i>8/6/01</i>	Time: <i>9:15</i>	Received By: <i>[Signature]</i>		Date: <i>8/7/01</i>	Time: <i>8:15am</i>				

White: Original Lab Copy

Canary: Lab Copy

Pink: Client Copy

JPC Form #35778A



LABORATORIES

N.C. LAB CERTIFICATION # 457

P.O. BOX 3008 • SANFORD, N.C. 27331-3008
TELEPHONE: (919) 774-3770 FAX: (919) 774-3510

-----ANALYTICAL RESULTS-----

Site: NLTC Asphalt		PXS#: 080201
Location: Chapel Hill, North Carolina		
Client: Hanson		
Date Collected: 08/08/01	Collected By: O.F. Patterson III	
Date Received: 08/08/01	Date Extracted: 08/09/01	
Matrix: SOIL	Analysis Date: 08/09/01	
Analysis Performed By: Dwayne Phillips		

PXS Lab ID#	Field ID#	Method #	Analysis Performed	Concentration mg/kg	Quantitation Limit mg/kg
0800301	East2/South1	9071	Grease & Oil	BQL	5.0
0800401	East2/South2	9071	Grease & Oil	BQL	5.0
BQL = Below Quantitation Limit					



LABORATORIES

N.C. LAB CERTIFICATION # 457

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TELEPHONE: (919) 774-3770 FAX: (919) 774-3510

-----ANALYTICAL RESULTS-----

Site: NLTC Asphalt		PXS#: 080201
Location: Chapel Hill, North Carolina		
Client: Hanson		
Date Collected: 08/08/01		Collected By: O.F. Patterson III
Date Received: 08/08/01		Date Extracted: 08/09/01
Matrix: SOIL		Analysis Date: 08/09/01
Analysis Performed By: Dwayne Phillips		

PXS Lab ID#	Field ID#	Method #	Analysis Performed	Concentration mg/kg	Quantitation Limit mg/kg
0800301	East2/South1	3550/8015M	TPHD	39	5.0
0800401	East2/South2	3550/8015M	TPHD	28	5.0
BQL = Below Quantitation Limit					

CHAIN of CUSTODY

ND

Type of Sample:

☐ Ground Water ☐ Solid Waste
☐ Surface Water ☐ Hazardous Waste
☐ Waste Water ☐ Sludge
☒ Soil ☐ Other _____

PXS RESEARCH LABORATORIES

Post Office Box 3008
 Sanford, North Carolina 27331-3008
 Telephone: (919) 774-3770 Fax: (919) 774-3510

Method of Shipment:

*PXS cooler
on ice/water*

Page 1 of 1

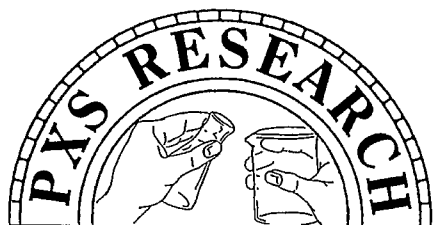
CLIENT: <i>HANSON</i>				ANALYSES												PXS JOB NO.: <i>080201</i>		
CLIENT PHONE NUMBER: <i>380-2615</i>				<div style="writing-mode: vertical-rl; transform: rotate(180deg);">Oil & Grease</div>												SITE: <i>NLTC ASPHALT PLANT</i>		
COLLECTOR'S NAME: <i>DF</i>																LOCATION: <i>CHATE HILL</i>		
FIELD ID #	PXS LAB ID #	TIME COLLECTED	DATE COLLECTED													Temperature <i>4°C</i>	pH	Residual Chlorine
<i>EAST 2 / South 1</i>		<i>3:45p</i>	<i>8-8-01</i>	REMARKS														
<i>EAST 2 / South 2</i>		<i>3:50p</i>	<i>8-8-01</i>															
Relinquished By: <i>[Signature]</i> Date: <i>8-8-01</i> Time: <i>7:05p</i>				Received By: <i>[Signature]</i> Date: <i>8-8-01</i> Time: <i>7:05p</i>														
Relinquished By: <i>[Signature]</i> Date: Time:				Received By: <i>[Signature]</i> Date: <i>8/9/01</i> Time: <i>8:08 am</i>														
Relinquished By: <i>[Signature]</i> Date: <i>8/10/01</i> Time: <i>8:47</i>				Received By: Date: Time:														

White: Original Lab Copy

Canary: Lab Copy

Pink: Client Copy

JPC Form #35778A



LABORATORIES

N.C. LAB CERTIFICATION # 457

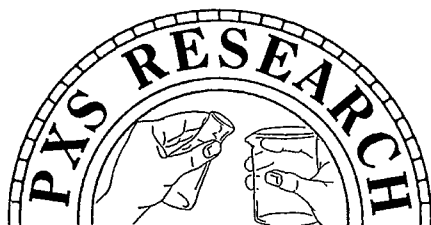
P.O. BOX 3008 • SANFORD, N.C. 27331-3008
TELEPHONE: (919) 774-3770 FAX: (919) 774-3510

-----ANALYTICAL RESULTS-----

Site: NLTC Asphalt		PXS#: 080201
Location: Chapel Hill, North Carolina		
Client: Hanson		
Date Collected: 08/09/01	Collected By: O.F. Patterson III	
Date Received: 08/09/01	Date Extracted: 08/10/01	
Matrix: SOIL	Analysis Date: 08/10/01	
Analysis Performed By: Dwayne Phillips		

PXS Lab ID#	Field ID#	Method #	Analysis Performed	Concentration mg/kg	Quantitation Limit mg/kg
0800501	LH-1	9071	Grease & Oil	BQL	5.0
0800601	LH-2	9071	Grease & Oil	BQL	5.0
0800701	LH-3	9071	Grease & Oil	BQL	5.0
0800801	LH-4	9071	Grease & Oil	BQL	5.0

BQL = Below Quantitation Limit



LABORATORIES

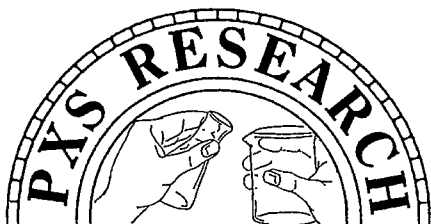
N.C. LAB CERTIFICATION # 457

P.O. BOX 3008 • SANFORD, N.C. 27331-3008
TELEPHONE: (919) 774-3770 FAX: (919) 774-3510

-----ANALYTICAL RESULTS-----

Site: NLTC Asphalt		PXS#: 080201
Location: Chapel Hill, North Carolina		
Client: Hanson		
Date Collected: 08/09/01	Collected By: O.F. Patterson III	
Date Received: 08/09/01	Date Extracted: 08/10/01	
Matrix: SOIL	Analysis Date: 08/10/01 - 08/11/01	
Analysis Performed By: Dwayne Phillips		

PXS Lab ID#	Field ID#	Method #	Analysis Performed	Concentration mg/kg	Quantitation Limit mg/kg
0800501	LH-1	3550/8015M	TPHD	32	5.0
0800601	LH-2	3550/8015M	TPHD	55	5.0
0800701	LH-3	3550/8015M	TPHD	40	5.0
0800801	LH-4	3550/8015M	TPHD	47	5.0
BQL = Below Quantitation Limit					



LABORATORIES

N.C. LAB CERTIFICATION # 457

P.O. BOX 3008 • SANFORD, N.C. 27331-3008
TELEPHONE: (919) 774-3770 FAX: (919) 774-3510

-----ANALYTICAL RESULTS-----

Site: NLTC Asphalt		PXS#: 080201
Location: Chapel Hill, North Carolina		
Client: Hanson		
Date Collected: 08/10/01	Collected By: O.F. Patterson III	
Date Received: 08/10/01	Date Extracted: 08/13/01	
Matrix: SOIL	Analysis Date: 08/13/01	
Analysis Performed By: Dwayne Phillips		

PXS Lab ID#	Field ID#	Method #	Analysis Performed	Concentration mg/kg	Quantitation Limit mg/kg
0800901	SW-1	9071	Grease & Oil	BQL	5.0
0801001	SW-2	9071	Grease & Oil	BQL	5.0
0801101	SW-3	9071	Grease & Oil	BQL	5.0
BQL = Below Quantitation Limit					

CHAIN of CUSTODY

Type of Sample:

☐ Ground Water ☐ Solid Waste
☐ Surface Water ☐ Hazardous Waste
☐ Waste Water ☐ Sludge
☒ Soil ☐ Other _____

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Method of Shipment:

AB Cooler
on ice/water

Page 1 of 2

CLIENT: <u>HANSON</u>				ANALYSES								PXS JOB NO.: <u>080201</u>		
CLIENT PHONE NUMBER: <u>380-2615</u>				<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">9071</div> <div style="text-align: center;">TPAG</div> <div style="text-align: center;">TPAD</div> </div>								SITE: <u>NLSC ASPHALT PLANT</u>		
COLLECTOR'S NAME: <u>O.F. PATTERSON JR.</u>												LOCATION:		
FIELD ID #	PXS LAB ID #	TIME COLLECTED	DATE COLLECTED									Temperature <u>4°C</u>	pH	Residual Chlorine
SW-1	0800901	10:15A	8-10-01	REMARKS SIDEWALL SAMPLES HOTTE HOLE (Trailer site)										
SW-2	0801001	10:20												
SW-3	0801101	10:25												
SW-4	0801201	10:30												
SW-5	0801301	10:35												
SW-6	0801401	10:40												
SW-7	0801501	10:45												
SW-8	0801601	10:50												
SW-9	0801701	10:55												
Relinquished By: <u>[Signature]</u>		Date: <u>8-10-01</u>	Time: <u>3:30p</u>	Received By: <u>[Signature]</u>		Date: <u>8-10-01</u>	Time: <u>3:30p</u>							
Relinquished By: <u>[Signature]</u>		Date: <u>8-10-01</u>	Time: <u>4:30p</u>	Received By: <u>[Signature]</u>		Date: <u>8/10/01</u>	Time: <u>4:30</u>							
Relinquished By: <u>[Signature]</u>		Date: <u>8/13/01</u>	Time: <u>4:48</u>	Received By: <u>[Signature]</u>		Date:	Time:							

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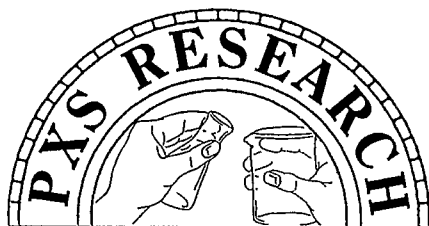
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-----ANALYTICAL RESULTS-----

Site: NLTC Asphalt		PXS#: 080201
Location: Chapel Hill, North Carolina		
Client: Hanson		
Date Collected: 08/10/01	Collected By: O.F. Patterson III	
Date Received: 08/10/01	Date Extracted: 08/11/01 - 08/13/01	
Matrix: SOIL	Analysis Date: 08/11/01 - 08/13/01	
Analysis Performed By: Dwayne Phillips		

PXS Lab ID#	Field ID#	Method #	Analysis Performed	Concentration mg/kg	Quantitation Limit mg/kg
0802101	B-2	9071	Grease & Oil	7	5.0
0802201	B-3	9071	Grease & Oil	35	5.0
0802301	B-4	9071	Grease & Oil	BQL	5.0
0802401	B-5	9071	Grease & Oil	BQL	5.0
0802501	B-6	9071	Grease & Oil	77	5.0
0802601	B-7	9071	Grease & Oil	236	5.0
0802701	B-8	9071	Grease & Oil	96	5.0
0802801	B-9	9071	Grease & Oil	129	5.0
0802901	B-10	9071	Grease & Oil	BQL	5.0
0803001	B-11	9071	Grease & Oil	BQL	5.0
0803101	B-12	9071	Grease & Oil	BQL	5.0
0803201	B-13	9071	Grease & Oil	1118	5.0
0803301	B-14	9071	Grease & Oil	106	5.0
0803401	B-15	9071	Grease & Oil	82	5.0
0803501	B-16	9071	Grease & Oil	89	5.0
0803601	B-17	9071	Grease & Oil	37	5.0
0803701	B-18	9071	Grease & Oil	BQL	5.0
0803801	B-19	9071	Grease & Oil	565	5.0
0803901	B-20	9071	Grease & Oil	209	5.0
0804001	B-21	9071	Grease & Oil	954	5.0
0804101	B-22	9071	Grease & Oil	50	5.0

BQL = Below Quantitation Limit



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-----ANALYTICAL RESULTS-----

Site: NLTC Asphalt		PXS#: 080201
Location: Chapel Hill, North Carolina		
Client: Hanson		
Date Collected: 08/10/01	Collected By: O.F. Patterson III	
Date Received: 08/10/01	Date Extracted: 08/11/01 - 08/12/01	
Matrix: SOIL	Analysis Date: 08/12/01 - 08/14/01	
Analysis Performed By: Dwayne Phillips		

PXS Lab ID#	Field ID#	Method #	Analysis Performed	Concentration mg/kg	Quantitation Limit mg/kg
0802101	B-2	3550/8015M	TPHD	22	5.0
0802201	B-3	3550/8015M	TPHD	BQL	5.0
0802301	B-4	3550/8015M	TPHD	32	5.0
0802401	B-5	3550/8015M	TPHD	12	5.0
0802501	B-6	3550/8015M	TPHD	10	5.0
0802601	B-7	3550/8015M	TPHD	772	5.0
0802701	B-8	3550/8015M	TPHD	178	5.0
0802801	B-9	3550/8015M	TPHD	26	5.0
0802901	B-10	3550/8015M	TPHD	10	5.0
0803001	B-11	3550/8015M	TPHD	18	5.0
0803101	B-12	3550/8015M	TPHD	116	5.0
BQL = Below Quantitation Limit					

CHAIN of CUSTODY

yes

Type of Sample:

☐ Ground Water ☐ Solid Waste
☐ Surface Water ☐ Hazardous Waste
☐ Waste Water ☐ Sludge
☒ Soil ☐ Other _____

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Method of Shipment:

PXS Cooler
Ice packs

Page 1 of 3

CLIENT: <u>HANSON</u>				ANALYSES								PXS JOB NO.: <u>080201</u>			
CLIENT PHONE NUMBER: <u>380-2615</u>				9071 VPAG VPAD									SITE: <u>NLTC ASPHALT PLANT</u>		
COLLECTOR'S NAME: <u>OF P...</u>													LOCATION: <u>CHAPEL HILL</u>		
FIELD ID #	PXS LAB ID #	TIME COLLECTED	DATE COLLECTED										Temperature	pH	Residual Chlorine
B-1*	<u>0802201</u>	<u>4:30p</u>	<u>8-10-01</u>				REMARKS EXCAVATION FLOOR Samples - Big Pit - AS ON 8-10-01 @ 4:30p *B-1 Jar Broken								
B-2	<u>0802201</u>	<u>4:35</u>													
B-3	<u>0802201</u>	<u>4:40</u>													
B-4	<u>0802301</u>	<u>4:45</u>													
B-5	<u>0802401</u>	<u>4:50</u>													
B-6	<u>0802501</u>	<u>4:55</u>													
B-7	<u>0802601</u>	<u>4:58</u>													
B-8	<u>0802701</u>	<u>5:00</u>													
B-9	<u>0802801</u>	<u>5:05</u>													
Relinquished By: <u>[Signature]</u>				Date: <u>8-10-01</u>	Time: <u>8:15p</u>	Received By: <u>[Signature]</u>				Date: <u>8-10-01</u>	Time: <u>8:15p</u>				
Relinquished By: <u>[Signature]</u>				Date: _____	Time: _____	Received By: <u>[Signature]</u>				Date: <u>8/11/01</u>	Time: <u>8:07</u>				
Relinquished By: <u>[Signature]</u>				Date: <u>8/14/01</u>	Time: <u>3:52</u>	Received By: _____				Date: _____	Time: _____				

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CHAIN of CUSTODY

4-05

Type of Sample:

☐ Ground Water ☐ Solid Waste
☐ Surface Water ☐ Hazardous Waste
☐ Waste Water ☐ Sludge
☒ Soil ☐ Other _____

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Method of Shipment:

PXS Cooler
ice/water

Page 2 of 3

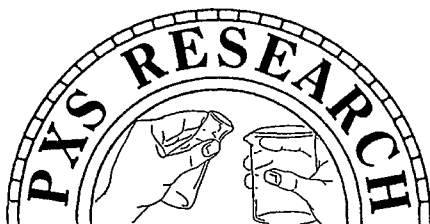
CLIENT: <i>HANSON</i>				ANALYSES								PXS JOB NO.: <i>080201</i>			
CLIENT PHONE NUMBER: <i>380-2615</i>				<i>LC77</i>	<i>TPHC</i>	<i>TPHD</i>							SITE: <i>NIT ASPHALT PLANT</i>		
COLLECTOR'S NAME: <i>OF PATTERSON III</i>													LOCATION: <i>Chapel Hill</i>		
FIELD ID #	PXS LAB ID #	TIME COLLECTED	DATE COLLECTED										Temperature <i>42</i>	pH	Residual Chlorine
<i>B-10</i>	<i>0802901</i>	<i>5:10 p</i>	<i>B-10-01</i>										REMARKS		
<i>B-11</i>	<i>0803001</i>	<i>5:12</i>													
<i>B-12</i>	<i>0803101</i>	<i>5:15</i>													
<i>B-13</i>	<i>0803201</i>	<i>5:20</i>													
<i>B-14</i>	<i>0803301</i>	<i>5:25</i>													
<i>B-15</i>	<i>0803401</i>	<i>5:30</i>													
<i>B-16</i>	<i>0803501</i>	<i>5:35</i>													
<i>B-17</i>	<i>0803601</i>	<i>5:40</i>													
<i>B-18</i>	<i>0803701</i>	<i>5:45</i>													
Relinquished By: <i>[Signature]</i>				Date: <i>8-10-01</i>	Time: <i>5:45 p</i>		Received By: <i>[Signature]</i>				Date: <i>8-10-01</i>	Time: <i>8:15</i>			
Relinquished By: <i>[Signature]</i>				Date:	Time:		Received By: <i>[Signature]</i>				Date: <i>8/11/01</i>	Time: <i>8:07</i>			
Relinquished By: <i>[Signature]</i>				Date: <i>8/14/01</i>	Time: <i>3:50</i>		Received By: <i>[Signature]</i>				Date:	Time:			

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-----ANALYTICAL RESULTS-----

Site: NLTC Asphalt		PXS#: 080201
Location: Chapel Hill, North Carolina		
Client: Hanson		
Date Collected: 08/13/01	Collected By: O.F. Patterson III	
Date Received: 08/13/01	Date Extracted: 08/14/01	
Matrix: SOIL	Analysis Date: 08/14/01	
Analysis Performed By: Dwayne Phillips		

PXS Lab ID#	Field ID#	Method #	Analysis Performed	Concentration mg/kg	Quantitation Limit mg/kg
0809101	TP-1	9071	Grease & Oil	168	5.0
0809201	TP-2	9071	Grease & Oil	19425	5.0
0809301	TP-3	9071	Grease & Oil	20468	5.0
0809401	LH-1	9071	Grease & Oil	BQL	5.0
0809501	LH-2	9071	Grease & Oil	22	5.0
0809601	LH-3	9071	Grease & Oil	49	5.0
0809701	LH-4	9071	Grease & Oil	49	5.0
BQL = Below Quantitation Limit					

CHAIN of CUSTODY

Type of Sample:

☐ Ground Water ☐ Solid Waste
☐ Surface Water ☐ Hazardous Waste
☐ Waste Water ☐ Sludge
☒ Soil ☐ Other _____

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Method of Shipment:

PXS Cooler
ice/water

Page 6 of 7

CLIENT: <u>HANCON</u>				ANALYSES								PXS JOB NO.: <u>080201</u>			
CLIENT PHONE NUMBER: <u>380-2615</u>				1207 TPHG TPAD									SITE: <u>NLTC</u>		
COLLECTOR'S NAME: <u>OT</u>													LOCATION: <u>Cambaro</u>		
FIELD ID #	PXS LAB ID #	TIME COLLECTED	DATE COLLECTED										Temperature <u>4°C</u>	pH	Residual Chlorine
W-7, 13'	0808701	12:30 P	8-13-01										REMARKS TP Samples may be dirty Caution on TPAD N TP (TEST PIT Big Hole) LH (Resample Bottom little hole 3' Below EXISTING Bottom)		
W-8, 7'	0808801	12:38 P													
W-8, 12'	0808901	12:40													
W-8, 18.5'	0809001	12:42													
TP-1	0809101	12:45													
TP-2	0809201	12:50													
TP-3	0809301	12:55													
LH-1	0809401	1:00													
LH-2	0809501	1:05													
Relinquished By: <u>[Signature]</u>				Date: <u>8-13-01</u>	Time: <u>3:00 P</u>		Received By: <u>[Signature]</u>				Date: <u>8/13/01</u>	Time: <u>3:00</u>			
Relinquished By: <u>[Signature]</u>				Date:	Time:		Received By:				Date:	Time:			
Relinquished By: <u>[Signature]</u>				Date: <u>8/15/01</u>	Time: <u>10:26</u>		Received By:				Date:	Time:			

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CHAIN of CUSTODY

Type of Sample:

☐ Ground Water ☐ Solid Waste
☐ Surface Water ☐ Hazardous Waste
☐ Waste Water ☐ Sludge
☒ Soil ☐ Other _____

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Method of Shipment:

*PXS cooler
ice/water*

Page 7 of 7

CLIENT: <u>HANSON</u>				ANALYSES								PXS JOB NO.: <u>080201</u>				
CLIENT PHONE NUMBER: <u>380-2615</u>				9071	TPH6	TPH4								SITE: <u>NLTC</u>		
COLLECTOR'S NAME: <u>DEPT</u>														LOCATION: <u>CARRBORO</u>		
FIELD ID #	PXS LAB ID #	TIME COLLECTED	DATE COLLECTED											Temperature <u>4°C</u>	pH	Residual Chlorine
<u>LH-3</u>	<u>0809601</u>	<u>1:16</u>	<u>8-13-01</u>	↓	↓	↓								REMARKS		
<u>LH-4</u>	<u>0809701</u>	<u>1:15</u>	↓	↓	↓											
Relinquished By: <u>Dr. Patterson</u>				Date: <u>8-13-01</u>		Time: <u>3:00</u>		Received By: <u>[Signature]</u>				Date: <u>8/13/01</u>		Time: <u>5:00</u>		
Relinquished By: <u>[Signature]</u>				Date: <u> </u>		Time: <u> </u>		Received By: <u> </u>				Date: <u> </u>		Time: <u> </u>		
Relinquished By: <u>[Signature]</u>				Date: <u>8/15/01</u>		Time: <u>10:26</u>		Received By: <u> </u>				Date: <u> </u>		Time: <u> </u>		

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The degradation of hydrocarbons is actually an oxidation-reduction reaction. Enzymes (biochemical catalysts), produced by indigenous microorganisms, allow the conversion of hydrocarbon to carbon dioxide and water, a process known as *mineralization*. In the reaction, hydrocarbon is oxidized (donate electrons) and a compound is reduced (accepts electrons). Energy liberated from the reaction is used by the microorganism for various cellular activities such as synthesis of new cell components and motility. The following paragraphs, in general terms, address various hydrocarbon degradation processes.

Aerobic bacteria use molecular oxygen as electron acceptors. Oxygen is the preferred electron acceptor because microorganisms gain more energy from the reaction. The complete degradation of many hydrocarbons requires approximately three parts oxygen to 1 part hydrocarbon. The extent of aerobic biodegradation in groundwater will be controlled by the amount of contamination released, the rate of oxygen transfer from the unsaturated zone and the background oxygen content of the aquifer. In many cases, the major limitation of aerobic degradation in the subsurface is the low solubility of oxygen in water.

Upon depletion of the dissolved oxygen within a groundwater contaminant plume, microorganisms use other electron acceptors to complete the mineralization of hydrocarbons by a process termed "*anaerobic degradation*." Compounds typically utilized as electron acceptors after depletion of molecular oxygen include nitrate, ferric iron, and sulfate. The hydrocarbon degradation is an oxidation-reduction reaction where the hydrocarbon is oxidized and the electron acceptor is reduced. Microorganisms utilize the available compounds that liberate the most energy when degrading hydrocarbons. Oxidation-reduction potential (Eh) of groundwater is a measure of electron activity and is an indicator of the relative tendency of a solution to accept or transfer electrons. Oxidation-reduction reactions in groundwater generally follow in strict succession with those reactions that yield the most energy occurring first at the highest value of Eh.

Simple field measurements and laboratory analyses can be employed to determine if anaerobic degradation of the groundwater contaminant plume is occurring at a given facility. Examples of field indicators are relative concentrations of electron acceptors, such as molecular oxygen, nitrate, sulfate, and ferric iron, within and outside the plume, and relative values of other groundwater parameters such as pH and Eh. Probable indicators of anaerobic degradation include a reduction in Eh, pH, and nitrate and sulfate concentrations and an increase in ferrous iron (Fe^{2+}) and alkalinity within the contaminant plume.

Destructive Attenuation Mechanisms

Biodegradation of TCE has been shown to occur by reductive chlorination and cometabolism reactions. Biodegradation of DCE has been shown to occur by reductive chlorination and direct biological oxidation. The following paragraphs briefly describe each biodegradation mechanism.

Reductive Dechlorination (Halorespiration)

This process results in the chlorinated solvent acting as an electron acceptor which allows a chlorine atom on the molecule to be replaced by a hydrogen atom. As such the chlorinated solvent is reduced. The reaction is biologically mediated and the microorganism uses the substrate for energy and growth. The following conditions must be present for halorespiration to occur: 1) the subsurface conditions must be anaerobic and have low oxidation-reduction potential, 2) the chlorinated solvents must be amenable to halorespiration, and 3) there must be an adequate supply of fermentation substrates for production of dissolved hydrogen. Sites where this biodegradation mechanism is occurring will demonstrate an accumulation of daughter products.

The following paragraph shows the biodegradation pathway for the chlorinated alkenes and alkanes identified at the site.

Chlorinated Alkenes:

PCE → TCE → DCE → Vinyl Chloride (VC) → Ethene → Ethane

Chlorinated Alkanes:

1,1,1-TCA → 1,1-DCA → Chloroethane

Review of the groundwater analytical data collected from the site demonstrates that aerobic conditions are present in the subsurface, and that no significant accumulation of daughter products, i.e. vinyl chloride or chloroethane, are present at the site. Although the presence of 1,1-DCE could possibly be the result of previous biodegradation of TCE, the data does not suggest that current conditions are appropriate for continued degradation via this process

Cometabolism

This process results in degradation of the chlorinated solvent by an enzyme cofactor that is produced by a microorganism that is degrading another compound (i.e. BTEX, etc.). The organism receives no benefit from the degradation of the chlorinated solvent. This process has been documented for chlorinated solvents in aerobic environments. Chlorinated solvents are only partially transformed during this reaction and additional degradation mechanisms are typically required to complete the reaction.

Aerobic cometabolism of ethenes may be characterized by a loss of contaminant mass and the presence of intermediate degradation products. Due to the need for a substrate that may be present in limited concentrations, coupled with the nature of the reactions, the rates of cometabolism are relatively slow.

Abiotic Destructive Attenuation Mechanisms

Although, difficult to quantify, these reactions have the potential to occur in subsurface environments. The following paragraphs briefly describe the two most prevalent abiotic reactions documented for degradation of chlorinated solvents in the subsurface.

Hydrolysis

Hydrolysis is a reaction where by an organic molecule (i.e. chlorinated solvent) reacts with water and a halogen substituent is replaced with a hydroxyl group. The substitution typically occurs at the halogenated carbon. The addition of a hydroxyl group to a chlorinated solvent will make the daughter product more susceptible to biodegradation.

Dehydrohalogenation

Dehydrohalogenation is a reaction whereby a halogen is removed from a carbon atom followed by the removal of hydrogen from a separate carbon atom. The combined reaction produces an alkene. This reaction has been documented for the transformation of 1,1,1-TCA to 1,1-DCE (Vogel and McCarty).

Non-Destructive Attenuation Mechanisms

The following paragraphs discuss non-destructive attenuation mechanisms for the groundwater contaminant plume.

Advection

Advection is the transport of solutes by the bulk movement of groundwater. Solute transport by advection alone results in a distinct solute concentration front. Immediately ahead of the front, the solute concentration is equal to the background concentration. At the solute front, the concentration is equal to the initial contaminant concentration at the point of release. In reality, the advancing solute spreads out due to the processes of dispersion and diffusion and is retarded by sorption and biodegradation.

Hydrodynamic Dispersion

Hydrodynamic dispersion is a process whereby a contaminant spreads out in directions longitudinal and transverse to the direction of plume migration. Dispersion of organic solutes in an aquifer is an important consideration when modeling remediation by natural attenuation. Dispersion of a contaminant dilutes the concentrations of the contaminant and introduces the contaminant into pristine

portions of the aquifer where it may commingle with electron acceptors cross gradient to the direction of groundwater flow. Two very different processes cause hydrodynamic dispersion; mechanical dispersion and diffusion.

Mechanical dispersion is mixing that occurs as a result of local variations in velocity as a contaminant migrates through a porous medium. The contaminant takes a tortuous path with some of the groundwater flowing slowly through large pores and other more quickly through small pores. This variation in average velocity causes dispersion of the contaminant. Larger geological features such as faults, dipping strata, folds, or contacts will also create inhomogeneity and introduce dispersion on the megascopic scale.

Molecular diffusion occurs when concentrations cause solutes to migrate from zones of high contaminant concentrations to low contaminant concentrations even in the absence of groundwater flow. Molecular diffusion is only important at low-groundwater velocities.

Sorption

Certain organic contaminants, such as chlorinated solvents and aromatic hydrocarbons (benzene, etc.), are removed from solution by sorption onto the aquifer matrix. Sorption is the process whereby dissolved contaminants partition from the groundwater and adhere to the particles comprising the aquifer. The reaction is reversible and at a given solute concentration, a given portion of the solute is partitioning to the aquifer matrix and some portion is also desorbing and re-entering solution. Sorption does not permanently remove the solute mass from groundwater, it merely retards the migration. The contribution of sorption in fractured bedrock aquifer systems is not considered significant.

Volatilization

Volatilization results in the partitioning of a contaminant between the liquid phase and the gaseous phase. Factors that affect the volatilization of contaminants from groundwater into soil gas include the contaminant concentration, the change in contaminant concentration with depth, the Henry's Law constant, and diffusion coefficient of the compound, sorption and temperature of the groundwater. The physiochemical properties of chlorinated solvents typically give them low Henry's Law constants, which determines the tendency of a contaminant to volatilize from groundwater into soil gas, with the exception of vinyl chloride. Values of the Henry's Law concentration for TCE is 0.0091 atm-m³/mol and 1,1-DCE is .018 atm-m³/mol, while vinyl chloride is 1.22 atm-m³/mol. Consequently, volatilization of the chlorinated solvents in the groundwater system is not expected to contribute significantly to the attenuation of the chlorinated solvents in groundwater.

Classification of Chlorinated Solvent Plume

Wiedemeir, et al. (1998) established a classification system for chlorinated solvent plumes based on the amount and origin of fermentation substrates that produce the hydrogen that drives halorespiration. Three types of groundwater environments and associated plume behavior are described below:

Type 1 Environment: Anaerobic Systems Due to Anthropogenic Carbon

Sources of anthropogenic carbon include fuel hydrocarbons, landfill leachate, or other organics. The carbon source exerts a tremendous electron-acceptor demand on the system and results in an anaerobic condition in the subsurface. In this environment, the anthropogenic carbon is fermented to produce hydrogen, which drives halorespiration.

Type 2 Environment: Anaerobic Systems Due to Naturally Occurring Carbon

Sources of naturally occurring carbon occur in hydrogeology settings within coastal or stream or river deposits, and shallow aquifers with recharge zones in organic rich environments such as swamps. The carbon source exerts an electron-acceptor demand on the system and results in an anaerobic condition in the subsurface. In this environment, the naturally occurring carbon is fermented to produce hydrogen, which drives halorespiration. The rate of degradation in this setting, however, is much slower than the Type I Environment.

Type 3 Environment: Aerobic Systems Due to No Fermentation Substrates

This environment is characterized by a well-oxygenated groundwater system with little or no organic matter. Concentrations of dissolved oxygen are typically greater than 1 mg/l. In such an environment, halorespiration will not occur and chlorinated solvents such as PCE, TCE, and TCA will not biodegrade. The most significant attenuation mechanisms for PCE and TCE will be advection, hydrodynamic dispersion, and sorption. Vinyl chloride and DCE can possibly be rapidly oxidized under these conditions. The Type 3 environment is typically found in crystalline igneous and metamorphic rock.

Requirements For Disposal By Containment & Treatment for Non-Hazardous Petroleum-Contaminated Soil (Per 15A NCAC Subchapter 2H .0200)

Containment and treatment of petroleum contaminated soil is allowed under the provisions of 15A NCAC 2H 0.0200. Excavated soil is placed on engineered pad and bioremediated using various techniques including augmentation with additional carbon source, microbial populations adapted to degrading petroleum motor fuels, etc. Periodic aeration of the contaminated soil is required to complete the remediation. Monitoring and reporting is required to document the progress of the soil remediation. The following paragraphs summarize requirements of the permitting process.

Requires Non-Discharge Permit

Submit Application GW-70 & \$400 processing fee

General Requirements:

- The site must be secured to prevent unauthorized access.
- The soil shall be placed within a contained area on a synthetic liner (10^{-9} cm/sec) or 1 ft. clay layer (10^{-6} cm/sec) compacted to 95% proctor.
- May require leachate collection system.
- If disturb greater than 1 acre of land, requires an Erosion Control Plan approved by the Regional Engineer of the Division of Land Quality.
- Compliance with buffer requirements of NCAC 2H .0219 (j).

50 ft from property line

100 ft from any surface water body

100 ft from any water supply well

- Site should have depth to seasonal high watertable greater than 3 feet below the waste zone.
- Overall slope of site should not exceed 5%.

Post Disposal Maintenance:

- Incorporate nutrients / microbial strains into contaminated soil.
- Re-till periodically to promote aeration.
- Repeat steps as necessary.

Monitoring:

Soil

- Collect one composite soil sample for analyses per 200 cubic yards of contaminated soil once every 6 months.
- Analytical method requirements based on source of contaminants.
- Report results to Regional Office within 30 days of collection.
- Analyses of soil beneath containment pad may be necessary prior to closing the soil remediation site.